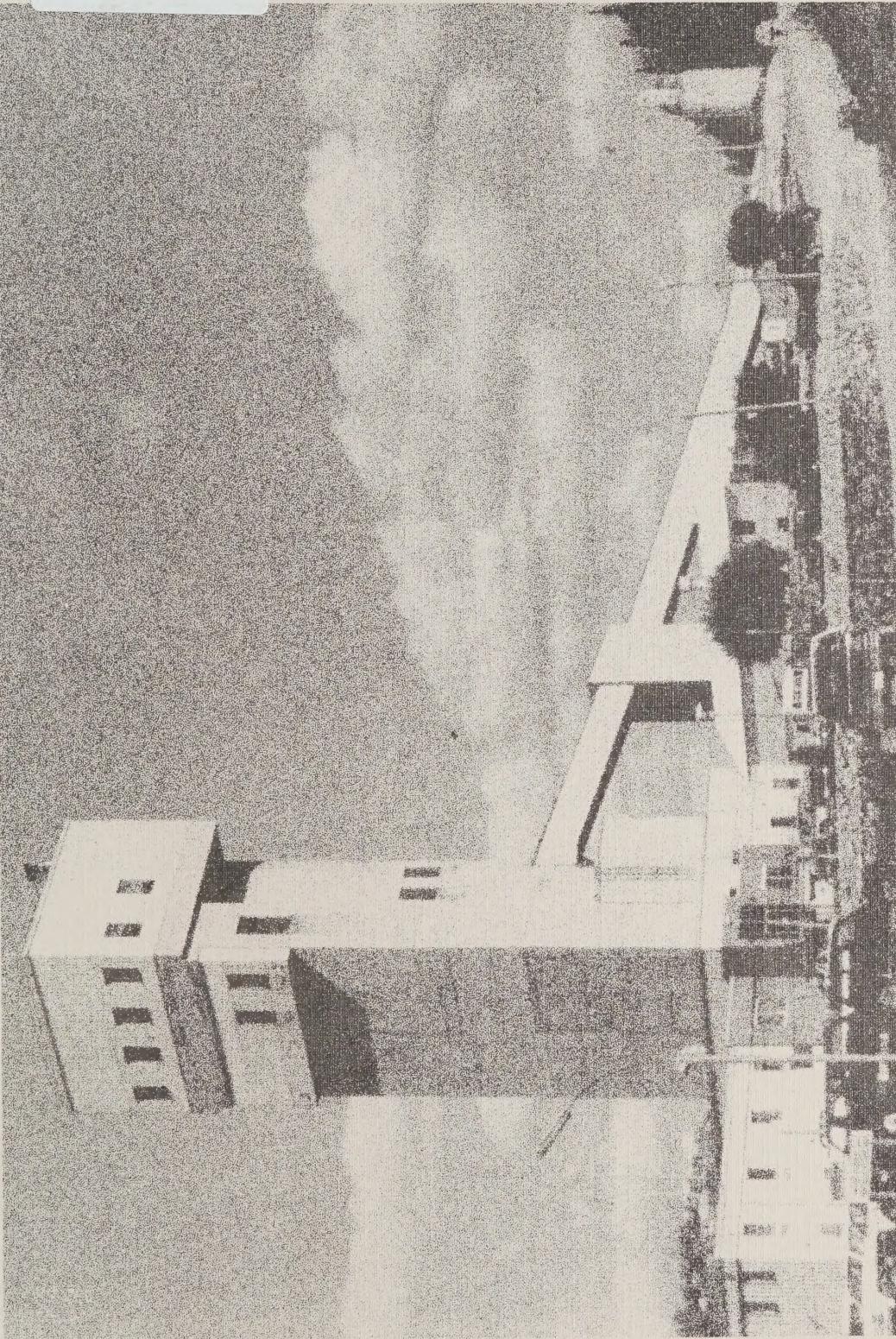


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MINING STATISTICS**



Information and Statistics Section
Mineral Development and Lands Branch
Ministry of Northern Development and Mines

Although the Ontario Ministry of Northern Development and Mines has made every effort to ensure the accuracy of the data appearing in this publication, it cannot assume responsibility for any inaccuracy which may occur.

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INTRODUCTION

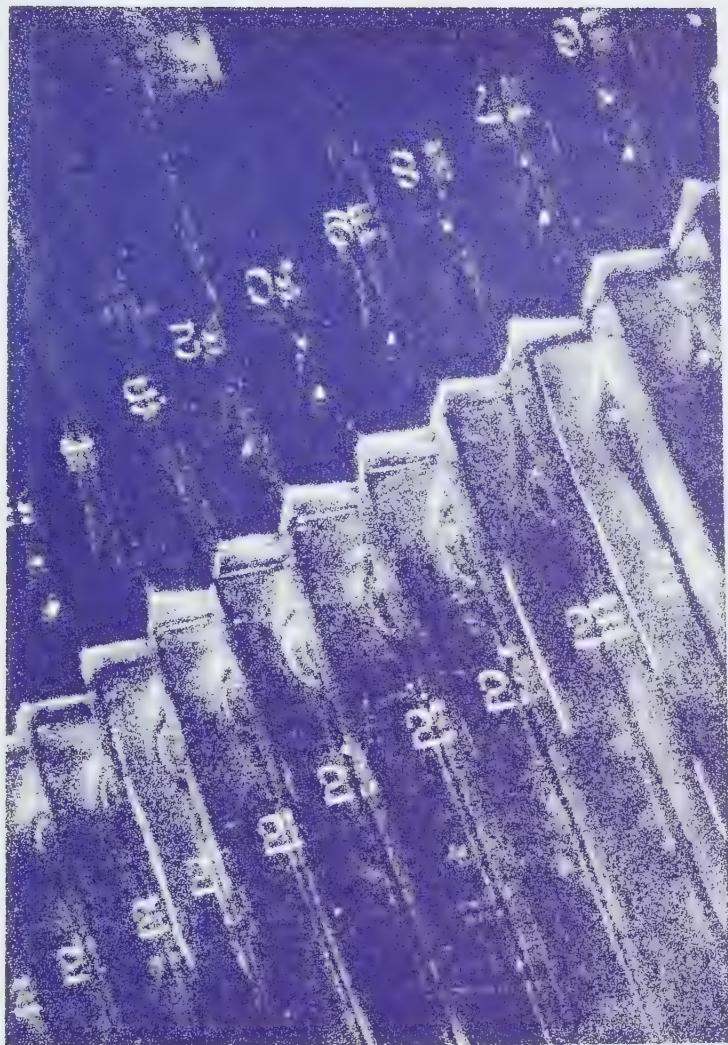
The 1988 edition of the Mid Year Mining Statistics is based on the results of the Census questionnaire which we send out yearly to mining companies operating in Ontario.

Statistics contained in this publication include exploration and development expenditures by year and by mining division, mineral production in Ontario, employment in mining, claims, assessment work and much more valuable information.

Some of the figures published in previous editions were revised in this booklet.

The following abbreviations were used wherever applicable:

| | |
|--------|----------------------------------|
| P | preliminary |
| KEN. | Kenora Mining Division |
| PAT. | Patricia Mining Division |
| R.I. | Red Lake Mining Division |
| TH.B. | Thunder Bay Mining Division |
| POR. | Porcupine Mining Division |
| S.S.M. | Sault Ste. Marie Mining Division |
| L.L. | Larder Lake Mining Division |
| SUD. | Sudbury Mining Division |
| S.O. | Southern Ontario Mining Division |
| P.W. | Province Wide |

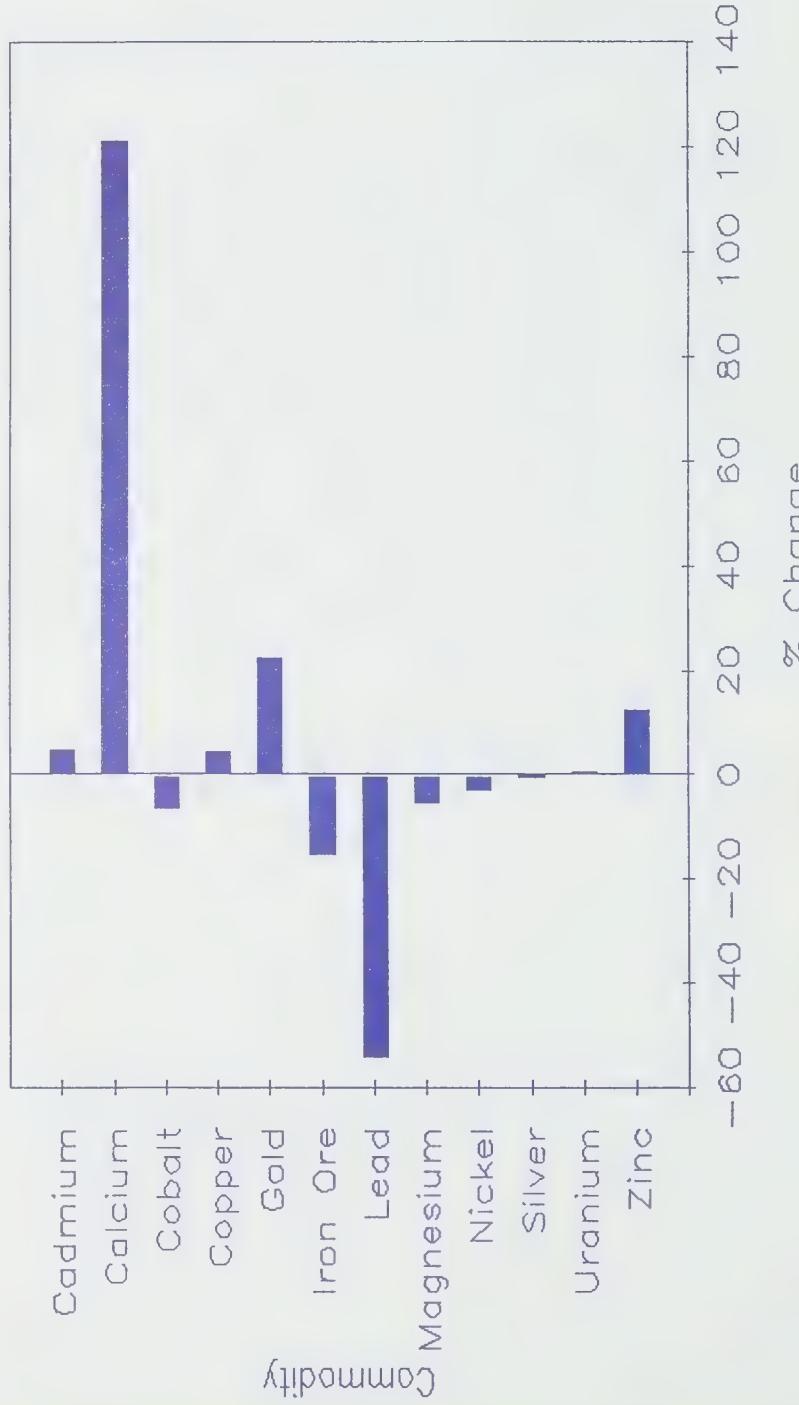


METAL PRODUCTION IN ONTARIO
BY COMMODITY
(PRELIMINARY)

| Mineral Commodity | Unit | 1988 | | 1987 | | % Change '88 vs '87 (Jan.-June) |
|-------------------|-------|-----------|-------|-----------|-------|---------------------------------------|
| | | Jan.-June | ----- | Jan.-June | ----- | |
| Cadmium | Kg | 422 | 306 | 402 | 147 | 5.0 |
| Calcium | Kg | 423 | 027 | 191 | 125 | 121.3 |
| Cobalt | Kg | 1 037 | 569 | 1 113 | 750 | -6.8 |
| Copper | Kg | 155 455 | 237 | 148 168 | 912 | 4.9 |
| Gold | G | 29 271 | 742 | 23 875 | 139 | 22.6 |
| Iron Ore | Tonne | 1 444 | 074 | 1 713 | 445 | -15.7 |
| Lead | Kg | 1 266 | 268 | 2 771 | 485 | -54.3 |
| Magnesium | Kg | 3 602 | 954 | 3 819 | 185 | -5.7 |
| Nickel | Kg | 73 531 | 524 | 76 034 | 747 | -3.3 |
| Silver | Kg | 201 | 550 | 202 | 050 | -0.2 |
| Uranium | Kg | 2 183 | 703 | 2 169 | 955 | 0.6 |
| Zinc | Kg | 171 225 | 533 | 151 797 | 805 | 12.8 |

Source: Information and Statistics Section, MNDM

METAL PRODUCTION IN ONTARIO
BY COMMODITY
% CHANGE '88 JAN.-JUNE VS '87 JAN.-JUNE
(PRELIMINARY)



Source: Information and Statistics Section, MNDM

TOTAL VALUE OF MINERAL PRODUCTION IN ONTARIO
1987p AND 1986



Source: Information and Statistics Section, MNDM

SUMMARY OF
METAL PRODUCTION IN ONTARIO
BY MINE CLASSIFICATION
(PRELIMINARY)

| Mine Classification | Mineral Commodity | Unit | 1988 | | 1987 | | % Change '88 vs '87 | | |
|---------------------|-------------------|-------|-----------|-----------|-----------|-------------|------------------------|-------|-------|
| | | | Jan.-June | Jan.-June | Jan.-June | (Jan.-June) | | | |
| Gold | Gold | G | 27 | 918 | 872 | 22 | 307 | 454 | 25.2 |
| | Silver | kg | 2 | 826 | 9 | 2 | 417 | | 16.9 |
| Silver | Silver | kg | 24 | 165 | | 0 | 0 | 0.0 | |
| | Nickel | Kg | 73 | 531 | 524 | 76 | 034 | 747 | -3.3 |
| Nickel | Copper | Kg | 85 | 269 | 357 | 73 | 313 | 233 | 16.3 |
| | Cobalt | Kg | 1 | 037 | 569 | 1 | 113 | 750 | -6.8 |
| Gold | Gold | G | 811 | 814 | 795 | 037 | 2.1 | | |
| | Silver | kg | 29 | 950 | 28 | 322 | 7 | 5.7 | |
| Zinc-Copper-Lead | Copper | Kg | 70 | 185 | 880 | 74 | 855 | 679 | -6.2 |
| | Zinc | Kg | 171 | 225 | 533 | 151 | 797 | 805 | 12.8 |
| Lead | Lead | Kg | 1 | 266 | 268 | 2 | 771 | 485 | -54.3 |
| | Gold | G | 541 | 056 | | 772 | 648 | -30.0 | |
| Silver | Silver | Kg | 144 | 609 | 171 | 311 | -15.6 | | |
| | Cadmium | Kg | 422 | 306 | 402 | 147 | 5.0 | | |
| Uranium | Uranium | Kg | 2 | 183 | 703 | 2 | 169 | 955 | 0.6 |
| Iron | Iron Ore | Tonne | 1 | 444 | 074 | 1 | 713 | 445 | -15.7 |
| Magnesium | Magnesium | Kg | 3 | 602 | 954 | 3 | 819 | 185 | -5.7 |
| | Calcium | Kg | 423 | 027 | 191 | 125 | | | 121.3 |

Source: Information and Statistics Section, MNDM

SUMMARY OF MINING OPERATIONS IN ONTARIO, 1987

| Name of Company | Mine Classification | Av. No. Employees | Ore Mined | Ore Milled | (PRELIMINARY) | | Diamond Drilling |
|---|---------------------|-------------------|-----------------------------|------------|---------------|--------|------------------|
| | | | | | Tonnes | Tonnes | |
| Ateba Mines Inc | Gold | 8 | (Processing Stockpiled ore) | - | - | - | - |
| Canamax Resources Inc - Bell Creek Mine | " | 73 | 61 404 | 51 426 | 3 952 | 4 62 | - |
| Dickenson Mines Ltd. - Arthur White Mine | " | 346 | 212 065 | 219 666 | 1 398 | 24 415 | - |
| Falconbridge Ltd. - Hoyle Pond Mine - Owl Creek | " | 89 | 100 690 | 100 690 | 2 463 | 33 541 | 1 228 |
| Giant Yellowknife Mines Ltd. (Timmins Division) | " | 13 | 207 603 | 174 506 | - | - | - |
| Golden Shield Resources Ltd. - Kerr Mine Division - Mirado Mine | " | 347 | 338 076 | 338 076 | 883 | 5 091 | 457 |
| Hemlo Gold Mines Inc. (Golden Giant Mine) | " | 266 | 883 967 | 884 979 | 3 302 | 7 163 | 15 850 |

SUMMARY OF MINING OPERATIONS IN ONTARIO, 1987

| Name of Company | Mine Classification | Av. No. Employees | (PRELIMINARY) | | Development work (1) | Diamond Drilling Metres |
|--------------------------|---------------------|-------------------|---------------|------------|----------------------|-------------------------|
| | | | Ore Mined | Ore Milled | | |
| Lac Minerals Ltd. | Gold | 15 | 6 607 | 10 867 | 736 | 4 844 |
| - Lake Shore Mine | | 290 | 134 286 | 134 653 | 4 416 | 13 441 |
| - Macassa Div. | | 410 | 1 229 603 | 1 223 519 | 25 889 | 28 296 |
| - Page Williams Mine | | | | | | |
| Noranco Mining Corp. | " | | | | | |
| - Golden Rose Mine | | 33 | 30 661 | 23 209 | 763 | 4 346 |
| Orofino Resources Ltd | " | | | | | |
| - Scadding Mine | | 8 | 87 090 | 12 226 | - | 2 483 |
| - Norstar Mine | | 11 | - | 29 457 | - | - |
| Placer Dome Inc. | " | | | | | |
| - Campbell Red Lake Mine | | 487 | 355 273 | 355 273 | 7 304 | 17 868 |
| - Detour Lake Mine | | 181 | 482 489 | 748 511 | 5 219 | 21 950 |
| - Dome Mine | | 769 | 993 639 | 986 201 | 4 841 | 20 137 |
| Renabie Gold Mines Ltd | " | | | | | |
| Teck-Corona Corp. | " | | | | | |
| - David Bell Mine | | 182 | 357 034 | 364 730 | 20 205 | 2 558 |
| Total: | Gold | 4 494 | 7 862 772 | 7 673 432 | 90 115 | 237 692 |

SUMMARY OF MINING OPERATIONS IN ONTARIO, 1987

| Name of Company | Mine Classification | Av. No. Employees | (PRELIMINARY) | | | Development work (1) | Diamond Drilling Metres |
|---|---------------------|-------------------|---------------|---------------|--------|----------------------|-------------------------|
| | | | Ore Mined | Ore Milled | Tonnes | | |
| The Adams Mine | Iron | 374 | 3 738 490 | 3 654 732 | 0 P | 640 | |
| Algoa Steel Corp'n-Algoa Ore Div. | | 346 | 1 477 864 | 1 467 380 | 3 273 | - | |
| Sherman Mine | | 371 | 3 806 626 | 3 756 251 | 0 P | - | |
| Total: | Iron | 1 091 | 9 022 980 | 8 878 363 | 3 273 | 640 | |
| Denison Mines Ltd. | Uranium | 1 695 | 2 998 236 | 2 341 573 | 26 984 | 11 784 | |
| Rio Algom Ltd. | | | | | | | |
| - Panel Mine | | 676 | 917 073 | 917 073 | 10 008 | 4 267 | |
| - Stanleigh Mine | | 572 | 713 586 | 635 029 | 12 229 | 9 158 | |
| - Quirke Mine | | 1 107 | 1 519 938 | 1 496 038 | 10 512 | 6 610 | |
| Total: | Uranium | 4 050 | 6 148 833 | 5 389 713 | 59 733 | 31 819 | |
| Falconbridge Limited-Kidd Creek Div. Zinc-Copper-Lead | | | | | | | |
| - No. 1 Mine | | | 3 205 061 |) | 6 573 | 6 046 | |
| - No. 2 Mine | |)1 829 | 1 040 411 |) 4 245 470 | 4 680 | 12 377 | |
| Mattabi Mines Ltd. | | 209 | 587 550 | 844 789 | 1 674 | 9 102 | |
| Noranda Minerals Inc. | | | | | | | |
| - Lyon Lake Div. | | 113 | 254 846 | (Incl above) | 6 083 | 29 112 | |
| - Geco Div. | | 525 | 1 278 890 | 1 278 890 | 6 038 | 26 746 | |
| Total: | Zinc-Copper-Lead | 2 676 | 6 366 758 | 6 369 149 | 25 048 | 83 383 | |
| | | | op | open pit | | | |

SUMMARY OF MINING OPERATIONS IN ONTARIO, 1987

| Name of Company | Mine Classification | Av. No. Employees | (PRELIMINARY) | | | Development Work (1) | Diamond Drilling Metres |
|---------------------------------|---------------------------|-------------------|---------------|------------|-----------|----------------------|-------------------------|
| | | | Ore Mined | Ore Milled | Tonnes | | |
| Agnico - Eagle Mines Ltd | | | | | | | |
| - Castle Mine | Silver | | | | 7 210 | | |
| - Langis Mine | |) 128 | |) 10 516 | | 25 862 | |
| - Temiskaming Mine | |) | |) 17 340 | | | 34 686 |
| Total: | Silver | 128 | 35 066 | 25 862 | | | 34 686 |
| Falconbridge Ltd | | | | | | | |
| - Craig Mine | Nickel (Included onaping) | | 52 645 | | | | 1 757 19 409 |
| - East Mine | | 151 | 223 309 | | | | 210 237 |
| - Fraser Mine | | 226 | 603 811 | | | | 1 684 18 287 |
| - Lockerby Mine | | 254 | 556 913 | | | | |
| - No. 1 Shaft Open Pit | (Incl. East) | | 273 386 | | | | 1 101 4 344 |
| - Onaping Mine | | 201 | 223 836 | | | | 1 178 318 |
| - Strathcona Mine | | 313 | 484 436 | | | | 1 523 6 619 |
| - Falconbridge Mill | | 45 | | 492 802 | | | |
| - Strathcona Mill | | 129 | | | 1 896 016 | | |
| - All Other Departments | | 619 | | | | | |
| Sub total: | Nickel | 1 938 | 2 418 336 | 2 388 818 | | 7 453 | 49 362 |

SUMMARY OF MINING OPERATIONS IN ONTARIO, 1987

| Name of Company | Mine Classification | Av. No. Employees | Ore Mined | Ore Milled | Development work (1) | Diamond Drilling | (PRELIMINARY) |
|--|---------------------|-------------------|------------|------------|----------------------|------------------|---------------|
| | | | | | | | Metres |
| Inco Limited - Ontario Division | | | | | | | |
| - Clarabelle Open Pit | Nickel |) | 246 536 |) |) |) |) |
| - C. C. North Mine | |) | 617 642 |) |) |) |) |
| - C. C. South Mine | |) | 1 059 874 |) |) |) |) |
| - Creighton #3 & #9 Shaf | |) | 1 634 141 |) |) |) |) |
| - Green Hill Mine | |) | 141 311 |) |) |) |) |
| - Garrison Mine Extension | |) | 5 785 | 281 508 |) | 48 346 |) 57 568 |
| - Frood Mine | |) | 1 881 890 |) |) |) |) |
| - Levack Mine | |) | 891 096 |) |) |) |) |
| - Little Stobie Mine | |) | 992 427 |) |) |) |) |
| - McCraedy Mine | |) | 645 523 |) |) |) |) |
| - Stobie Mine | |) | 2 056 642 |) |) |) |) |
| - Sudbury District Mills | |) | - | 10 460 840 | | | |
| Sub total: | Nickel | 5 785 | 10 448 590 | 10 460 840 | 48 346 | 57 568 | |
| Total: | Nickel | 7 723 | 2 866 926 | 12 849 658 | 55 799 | 106 930 | |

Note: (1) Development work includes Drifting, Crosscutting, Raising & Internal Ramps.

Source: Information and Statistics Section, MNDM

SUMMARY OF EMPLOYMENT, 1987
(PRELIMINARY)

Smelters, Refineries, Metallurgical Works & Acid Plants:

| Name of Company | No. of Employees |
|--|------------------|
| Inco Ltd. | 1 089 |
| -Smelter Complex | 575 |
| -Copper Refinery | 555 |
| -Nickel Refinery | 364 |
| -Port Colborne Refinery | |
| Falconbridge Ltd. | 259 |
| -Smelter | 309 |
| -Kidd Creek Zinc Plant | 216 |
| -Kidd Creek Copper Refinery | |
| Timminco Metals | 427 |
| Dofasco Inc. (Blast Furnaces) | 443 |
| Stelco Inc. | 103 |
| -Hilton; Blast Furnaces | 265 |
| -Lake Erie; Blast Furnaces | |
| Eldorado Resources Ltd. | 371 |
| -Port Hope | 164 |
| -Blind River | |
| The Algoma Steel Corp. Ltd. (Blast Furnaces) | 257 |
| Agnico-Eagle Mines Ltd. (Refinery) | 9 |
| Total: | 5 406 |

Note: Total Employment in 1987 for Metal Mines, Mills, Smelters, Refineries, Metallurgical and Acid Plants was 25 568

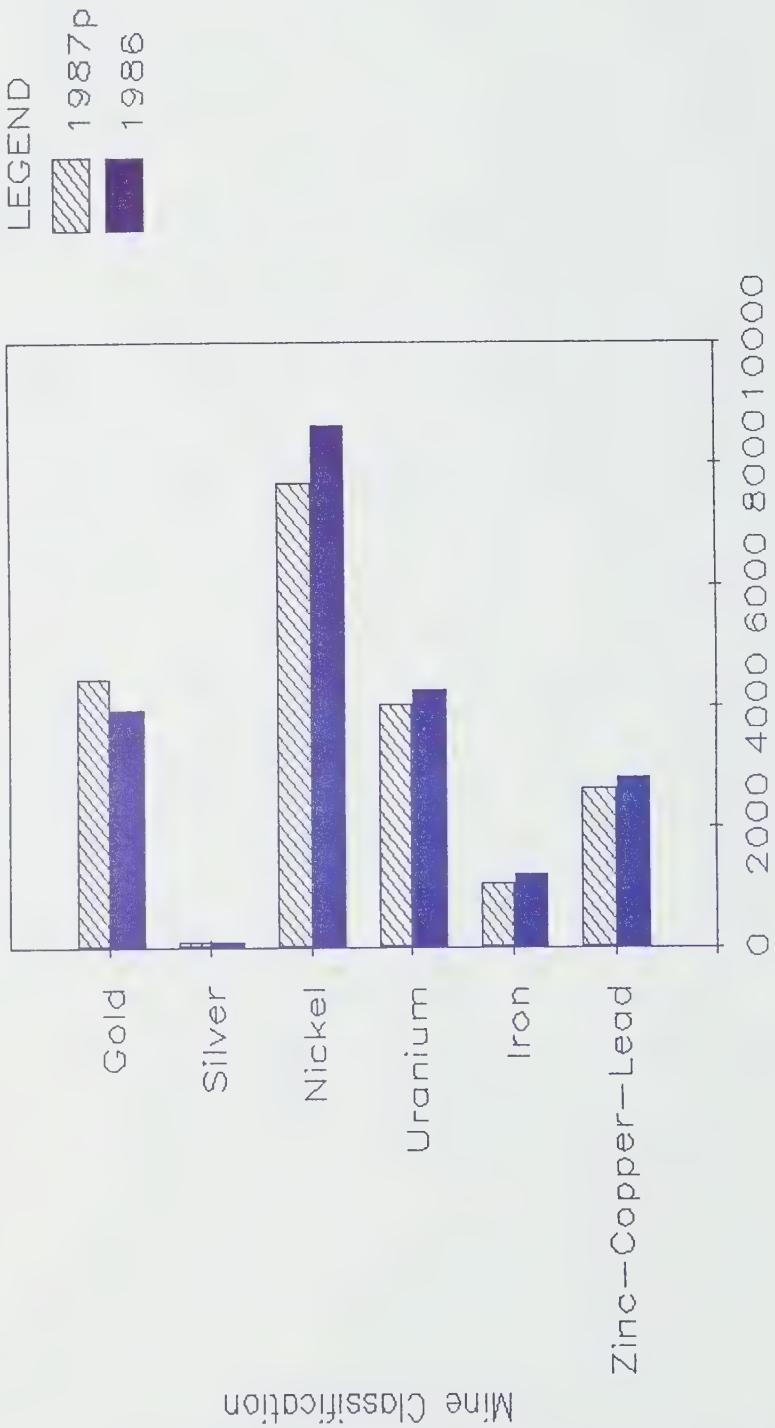
Source: Information and Statistics Section, MNDM

SUMMARY OF EMPLOYMENT
 METAL MINES IN ONTARIO
 BY MINE CLASSIFICATION
 (PRELIMINARY)

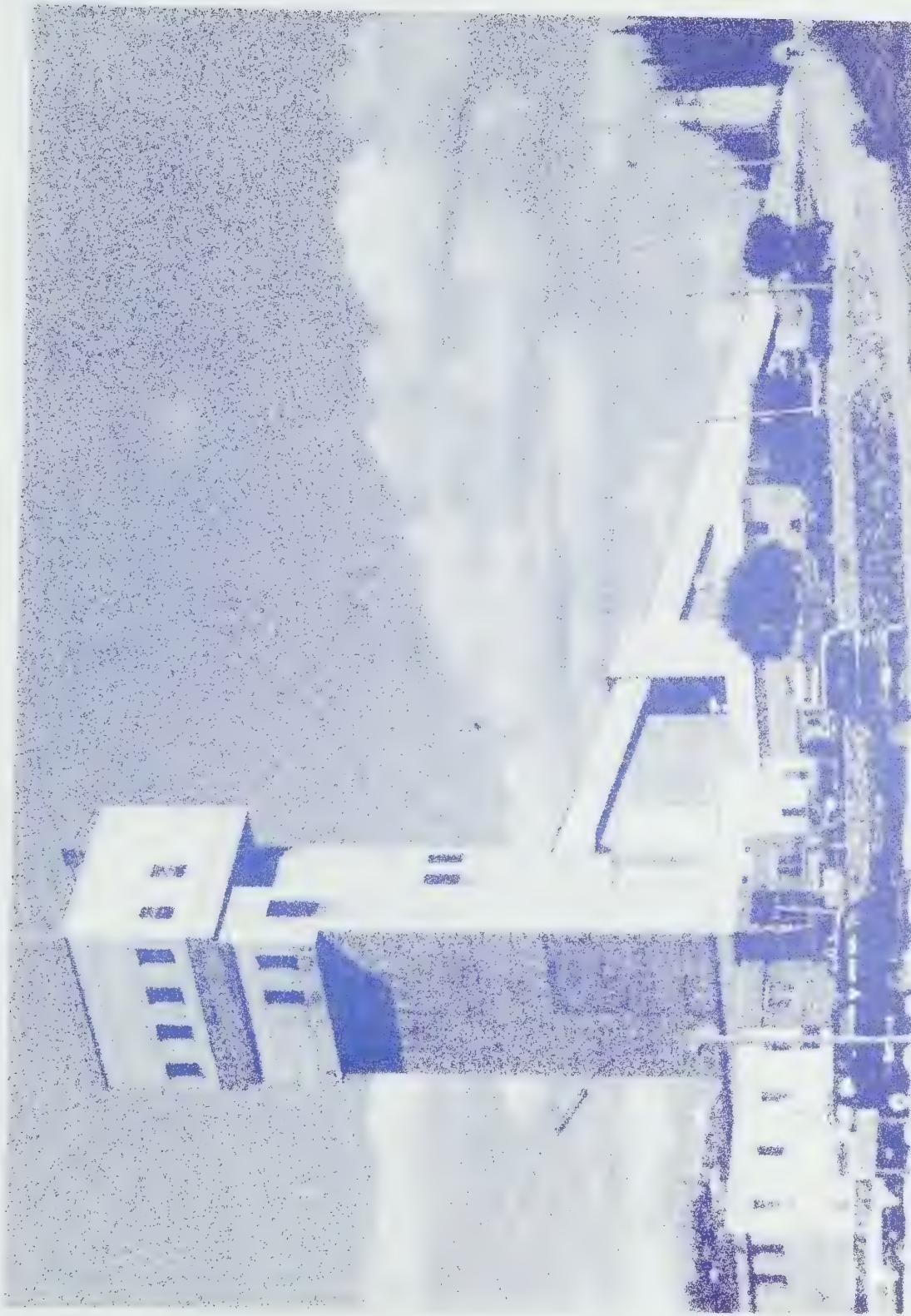
| Mine Classification | 1987 | 1986 | % Change ,87 vs ,86 |
|------------------------|--------|--------|------------------------|
| Gold | 4 494 | 3 973 | 13.1 |
| Silver | 128 | 101 | 26.7 |
| Nickel | 7 723 | 8 642 | -10.6 |
| Zinc-Copper-Lead | 2 676 | 2 861 | -6.5 |
| Uranium | 4 050 | 4 303 | -5.9 |
| Iron | 1 091 | 1 239 | -11.9 |
| Total | 20 162 | 21 119 | -4.5 |

Source: Information and Statistics Section, MNDM

SUMMARY OF EMPLOYMENT METAL MINES IN ONTARIO BY MINE CLASSIFICATION



Source: Information and Statistics Section, MNDM



NEW MINES AND EXPANSIONS IN ONTARIO

| Operator | Location | Products | Current Employees | Current | Remarks |
|------------------------------------|---------------|----------|-------------------|---|---------|
| American Barrick Resources Corp. | Kirkland Lake | Gold | 31 | - Official opening Aug. 9/88 - 230 eventual jobs | |
| Holt-McDermott Mine | | | | | |
| Lake Asbestos of Canada | Timmins | Gold | 65 | - Production began Jan. 6/88 | |
| Aquarius Mine | | | | | |
| Ateba Mines Incorp. | Beardmore | Gold | 30 | - Mill officially opened May/88 | |
| Canamax Res. Inc. Kremzar Prop. | Wawa | Gold | 75 | - Production Sept./88 | |
| Eastmaque Gold Mines Ltd. | Kirkland Lake | Gold | 33 | - Gold recovery from tailings, began Jan/88 | |
| ERG Resources Inc. | Timmins | Gold | | - Tailings plant to begin production late /88 - 50-70 permanent jobs | |
| Muscocho Expl Ltd. - Magnacon Mine | Wawa | Gold | | - Production Jan./89, 150 employees | |
| - Magino Proj. | Dubreuilville | Gold | 72 | - Production 1988 | |
| Placer Dome Inc. Dona Lake Mine | Pickle Lake | Gold | | - Production /89, 120 eventual employees | |
| St. Andrew Goldfields Ltd. | Stock Twp. | Gold | | - Production /89 | |
| Bond Gold Canada Inc. | Pickle Lake | Gold | | - Production late/88 | |
| Golden Patricia Property | | | | | |
| Rockford Mines Inc. | Larder Lake | Gold | | - Production late /88 | |
| Barker-Larder O.P. | | | | | |
| Citadel Gold Mines Inc. | Wawa | Gold | | - Production /89 | |
| Surluga Mine | | | | | |

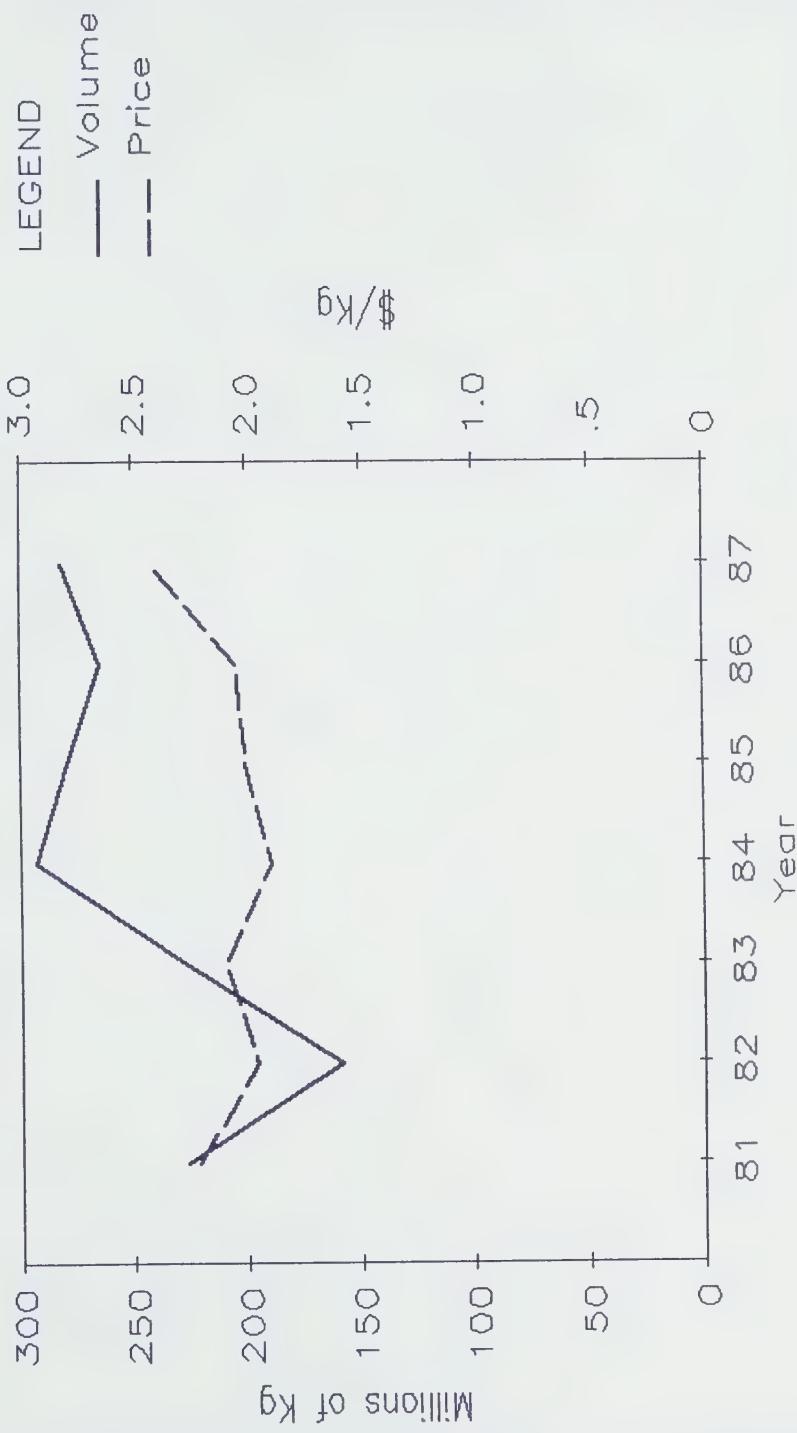
Source: Information and Statistics Section, MNDM

AVERAGE METAL PRICES (CANADIAN FUNDS)

| Mineral Commodity | Unit | 1988 Jan. - June | 1987 Jan. - June | % Change '88 vs '87 (Jan. - June) |
|----------------------|------|---------------------|---------------------|---|
| Cadmium | Kg | 19.70 | 4.17 | 372.4 |
| Calcium | Kg | 10.60 | 12.01 | -11.7 |
| Cobalt(Shot Cathode) | Kg | 19.97 | 20.61 | -3.1 |
| Copper | Kg | 3.07 | 2.03 | 51.2 |
| Gold | G | 18.17 | 18.36 | -1.0 |
| Lead | Kg | 0.98 | 0.89 | 10.1 |
| Magnesium | Kg | 4.23 | 4.69 | -9.8 |
| Nickel(Metal) | Kg | 16.81 | 4.27 | 293.7 |
| Silver | Kg | 273.65 | 296.19 | -7.6 |
| Uranium(U3O8) | Kg | 44.43 | 49.62 | -10.5 |
| Zinc | Kg | 1.45 | 1.21 | 19.8 |

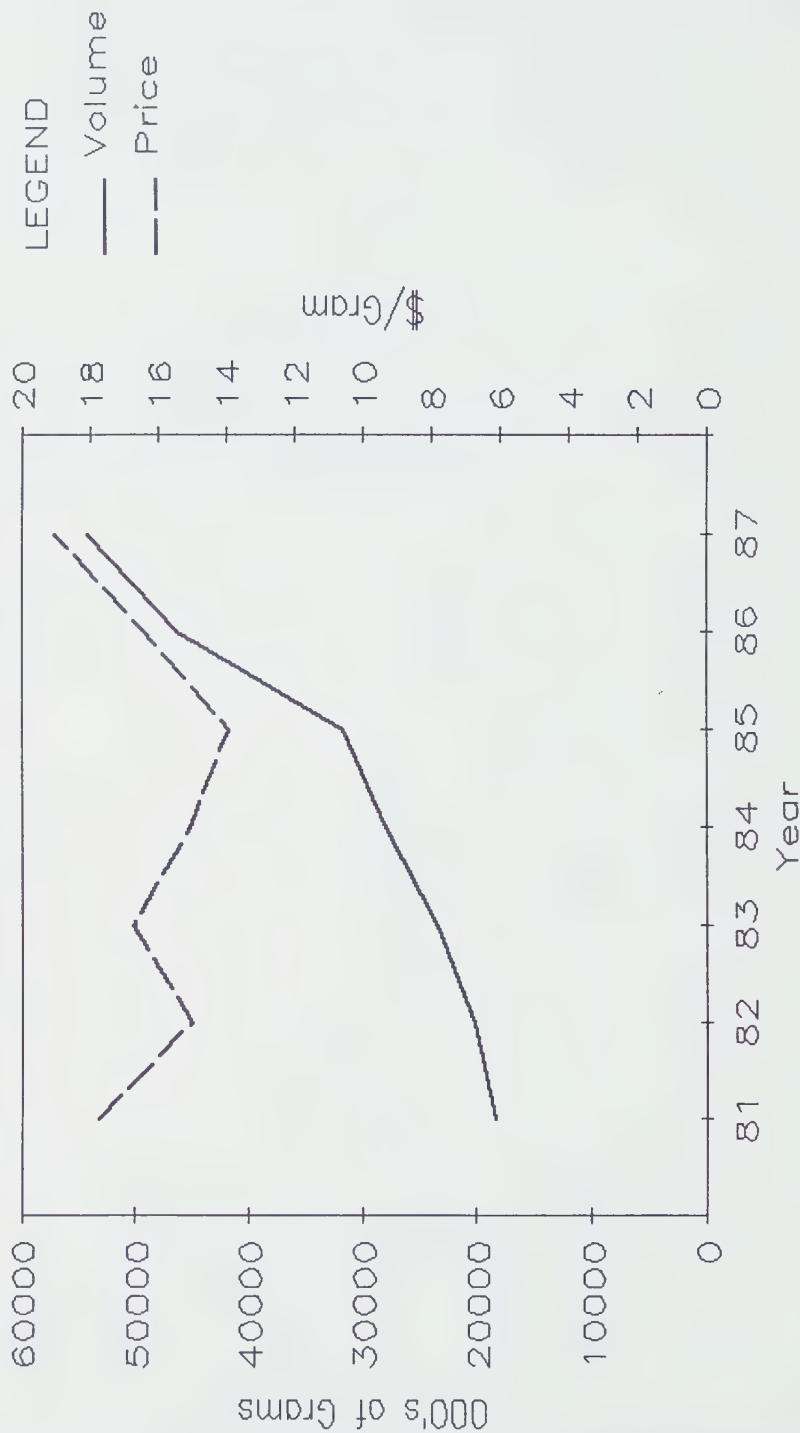
Source: Energy Mines and Resources, Canada

ONTARIO COPPER PRODUCTION
AND
COPPER PRICE IN CANADIAN DOLLARS
1981 - 1987P



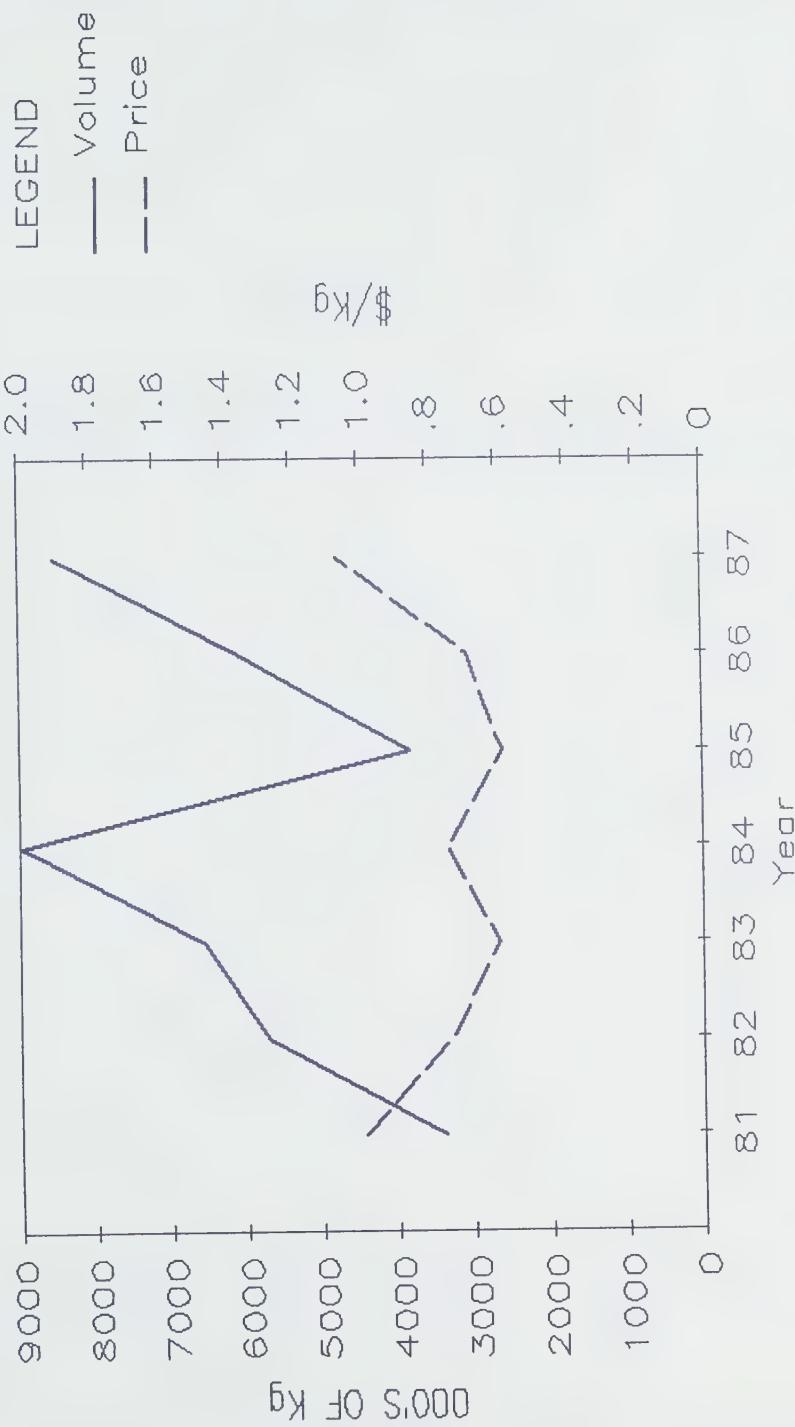
Source: Information and Statistics Section, MNDM

ONTARIO GOLD PRODUCTION
AND
GOLD PRICE IN CANADIAN DOLLARS
1981 - 1987^p



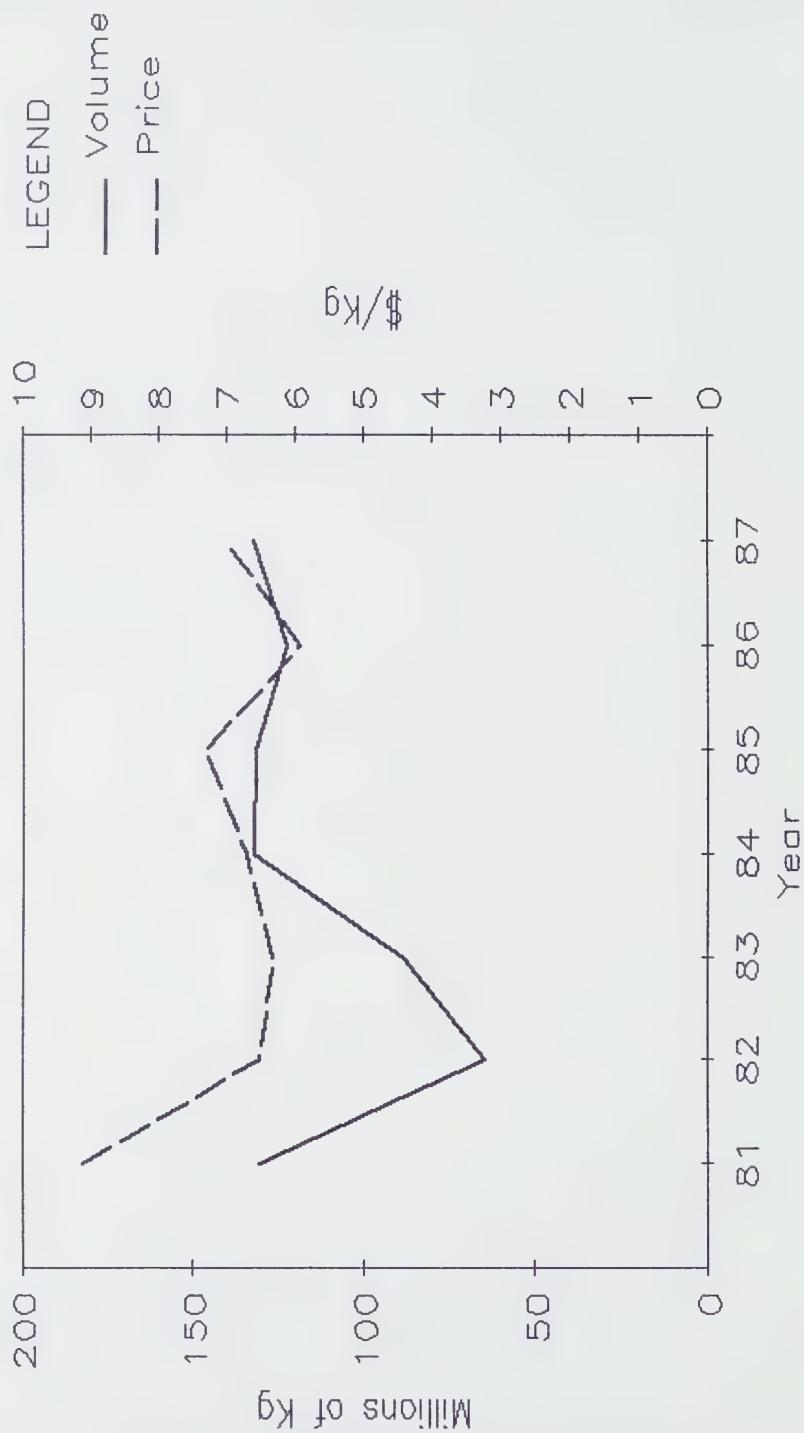
Source: Information and Statistics Section, MNDM

ONTARIO LEAD PRODUCTION
AND
LEAD PRICE IN CANADIAN DOLLARS
1981 - 1987p



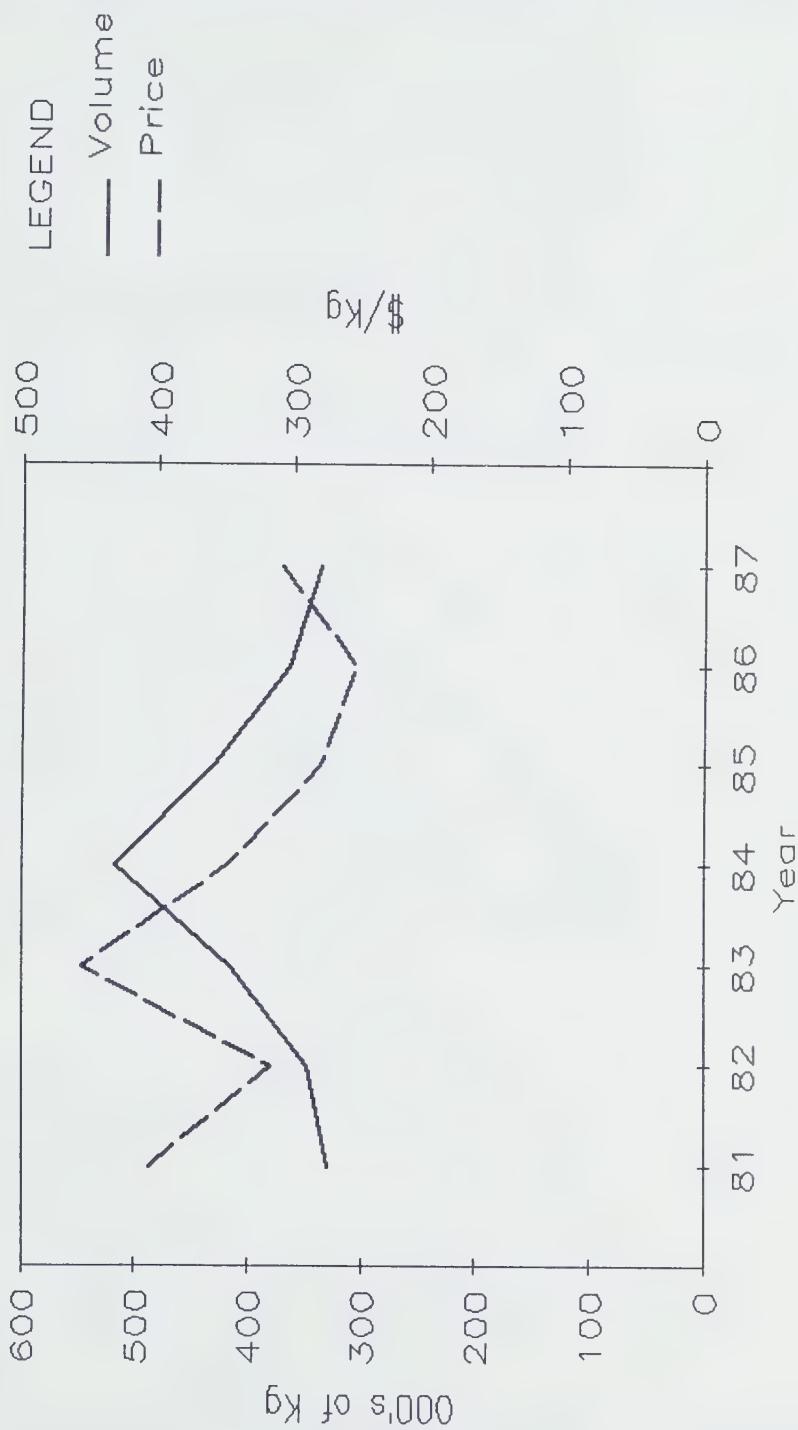
Source: Information and Statistics Section, MNDM

ONTARIO NICKEL PRODUCTION
AND
NICKEL PRICE IN CANADIAN DOLLARS
1981 - 1987p



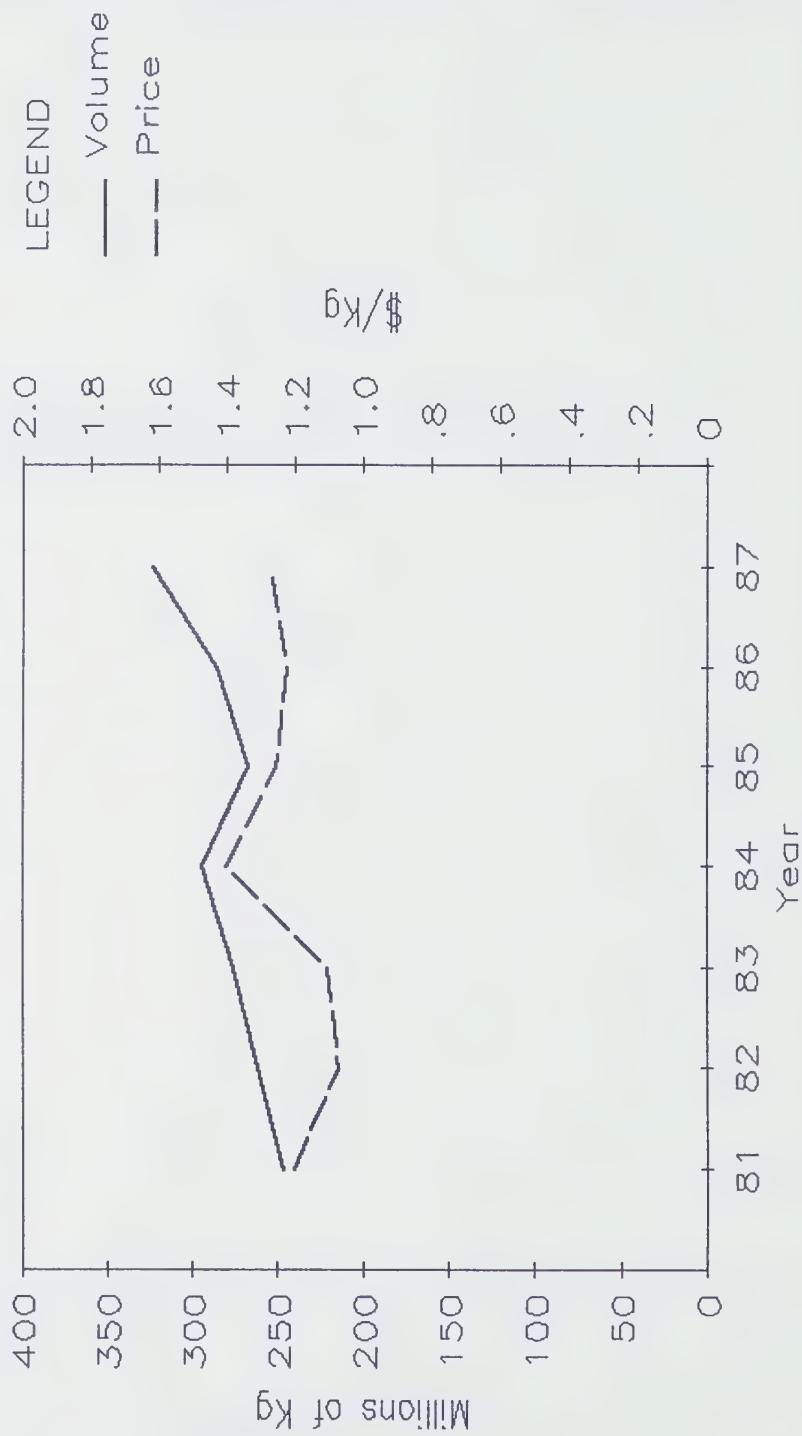
Source: Information and Statistics Section, MNNDM

ONTARIO SILVER PRODUCTION
AND
SILVER PRICE IN CANADIAN DOLLARS
1981 - 1987p

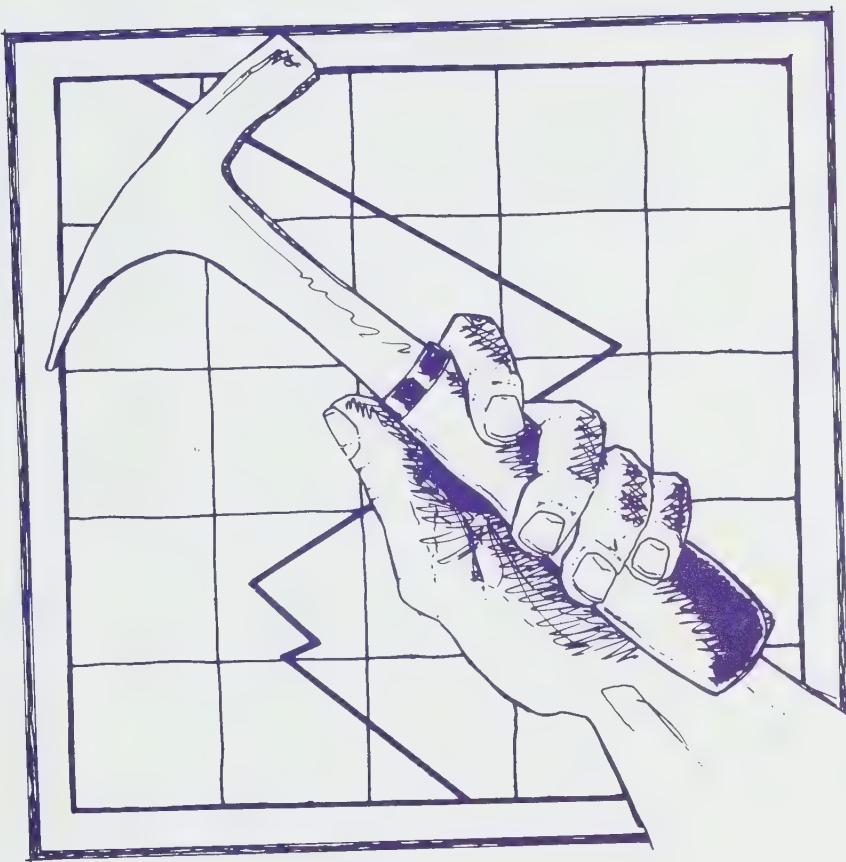


Source: Information and Statistics Section, MNDM

ONTARIO ZINC PRODUCTION
AND
ZINC PRICE IN CANADIAN DOLLARS
1981 - 1987p



Source: Information and Statistics Section, MNNDM

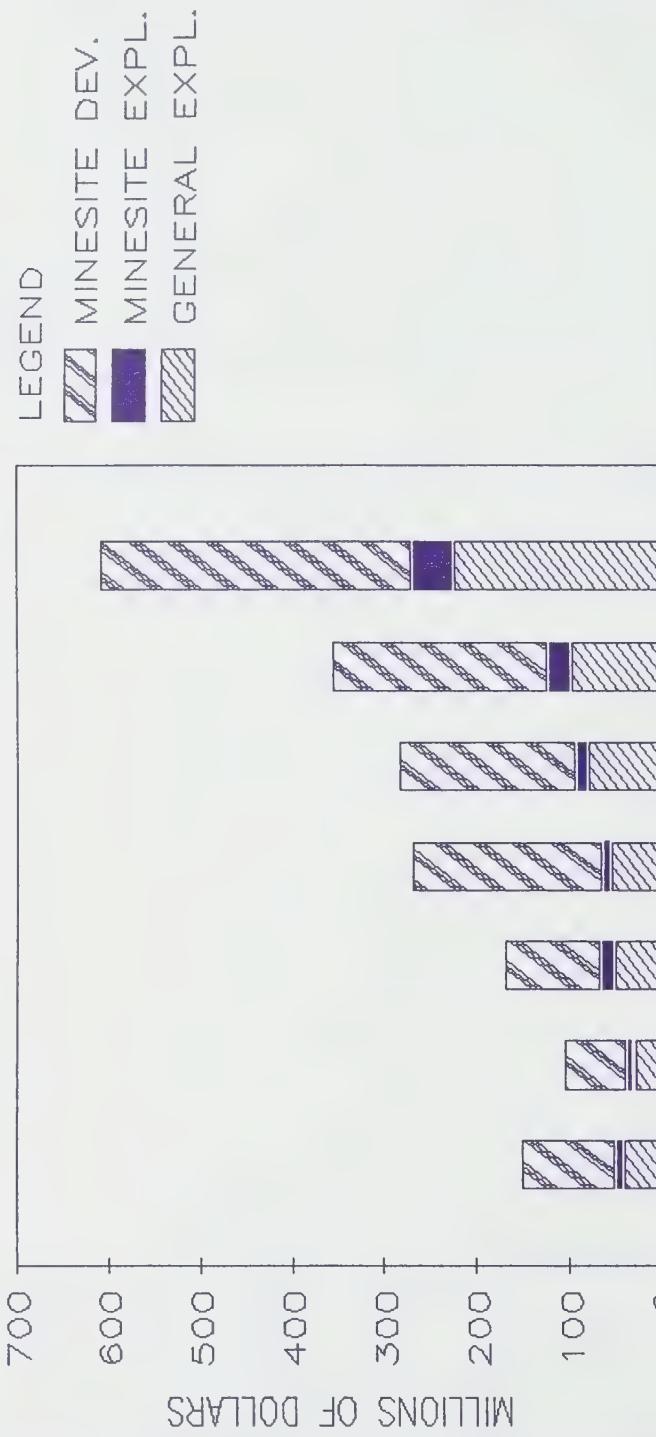


TOTAL EXPLORATION AND DEVELOPMENT
EXPENDITURES IN ONTARIO
(IN CURRENT DOLLARS)
1981 - 1987

| | TOTAL | GENERAL EXPLORATION | MINESITE EXPLORATION | MINESITE DEVELOPMENT |
|------|-------------|------------------------|-------------------------|-------------------------|
| | (\$) | (\$) | (\$) | (\$) |
| 1987 | 610 021 553 | 224 723 664 | 43 237 175 | 342 060 714 |
| 1986 | 357 913 442 | 99 479 944 | 24 385 587 | 234 047 911 |
| 1985 | 284 514 464 | 81 379 194 | 11 917 683 | 191 217 587 |
| 1984 | 270 282 158 | 55 872 952 | 9 312 938 | 205 096 268 |
| 1983 | 171 384 988 | 52 434 213 | 14 692 989 | 104 257 786 |
| 1982 | 106 390 043 | 31 227 498 | 7 141 352 | 68 021 193 |
| 1981 | 152 010 941 | 41 923 880 | 9 191 238 | 100 895 823 |

Source: Information and Statistics Section, MNDM

TOTAL EXPLORATION AND DEVELOPMENT EXPENDITURES
IN ONTARIO
1981 - 1987
(IN CURRENT DOLLARS)



Source: Information and Statistics Section, MNDM

TOTAL EXPLORATION AND DEVELOPMENT
EXPENDITURES IN ONTARIO
1987

| | TOTAL | GENERAL EXPLORATION | MINESITE EXPLORATION | MINESITE DEVELOPMENT |
|-------------------|-------------|---------------------|----------------------|----------------------|
| | (\$) | (\$) | (\$) | (\$) |
| Diamond Drilling | 164 322 248 | 116 308 723 | 23 299 239 | 24 714 286 |
| Geochemical | 9 871 079 | 8 815 346 | 1 055 733 | |
| Geology | 25 428 962 | 16 054 198 | 9 374 764 | |
| Geophysical | 12 756 046 | 12 606 571 | 149 475 | |
| Airborne Geo. | 2 056 011 | 2 044 965 | 11 046 | |
| Rock Work | 40 612 447 | 39 170 409 | 1 442 038 | |
| Shafts | 2 804 480 | | 2 804 480 | |
| Drifts, Crosscuts | 164 931 022 | | 164 931 022 | |
| Raises, Declines | 74 444 495 | | 74 444 495 | |
| Stripping | 9 129 630 | | 9 129 630 | |
| Other Exp. & Dev. | 103 665 133 | 29 723 452 | 7 904 880 | 66 036 801 |
| Total Expenditure | 610 021 553 | 224 723 664 | 43 237 175 | 342 060 714 |

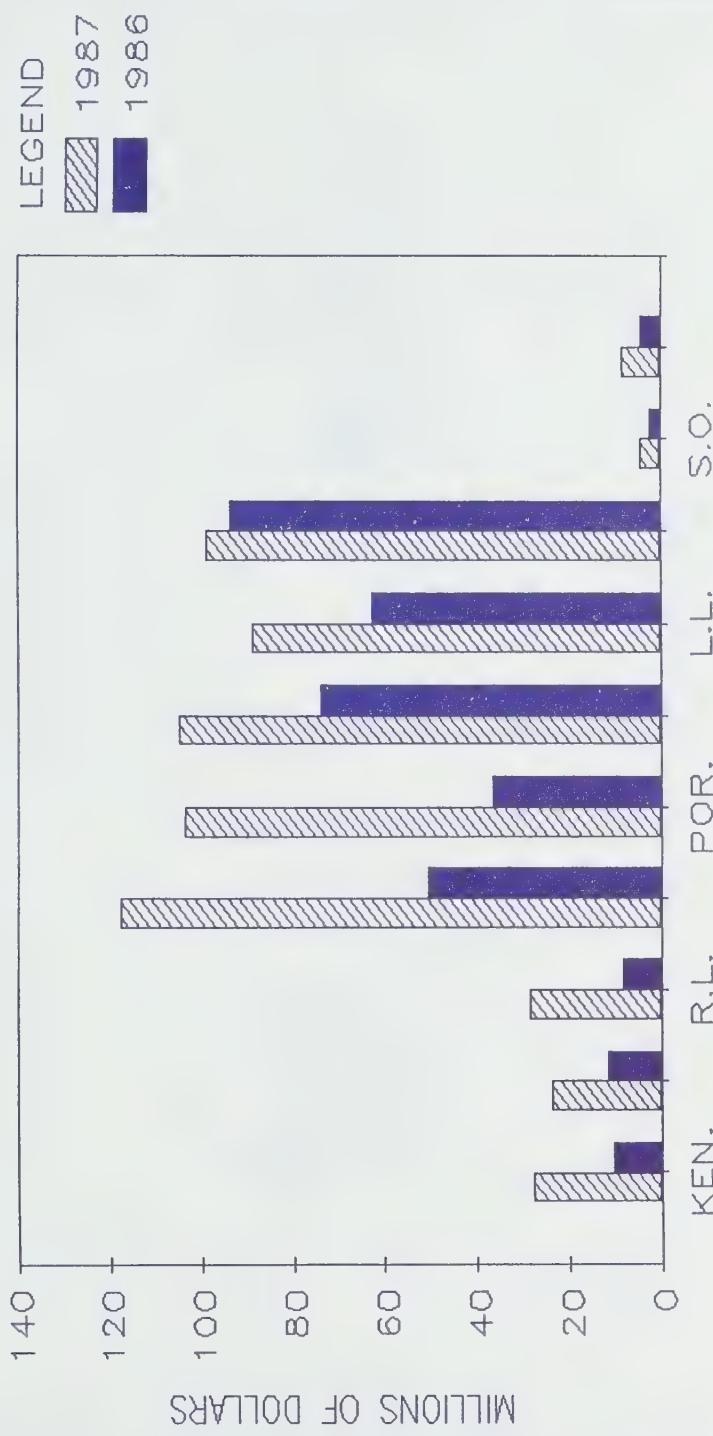
Source: Information and Statistics Section, MNDM

TOTAL EXPLORATION AND DEVELOPMENT
EXPENDITURES IN ONTARIO
1987 VS 1986

| | 1987 | 1986 | % Change |
|-------------------|-------------|-------------|----------|
| | ----- | ----- | ----- |
| | (\$) | (\$) | (\$) |
| Diamond Drilling | 164 322 248 | 69 692 311 | 135.7 |
| Geochemical | 9 871 079 | 5 545 070 | 78.0 |
| Geology | 25 428 962 | 10 874 716 | 133.8 |
| Geophysical | 12 756 046 | 4 849 341 | 163.0 |
| Airborne Geo. | 2 056 011 | 1 001 621 | 105.2 |
| Rock Work | 40 612 447 | 17 672 806 | 129.8 |
| Shafts | 2 804 480 | 9 511 392 | -70.5 |
| Drifts, Crosscuts | 164 931 022 | 125 078 069 | 31.9 |
| Raises, Declines | 74 444 495 | 30 896 845 | 140.9 |
| Stripping | 9 129 630 | 11 826 819 | -22.8 |
| Other Exp. & Dev. | 103 665 133 | 70 964 452 | 46.1 |
| Total Expenditure | 610 021 553 | 357 913 442 | 70.4 |

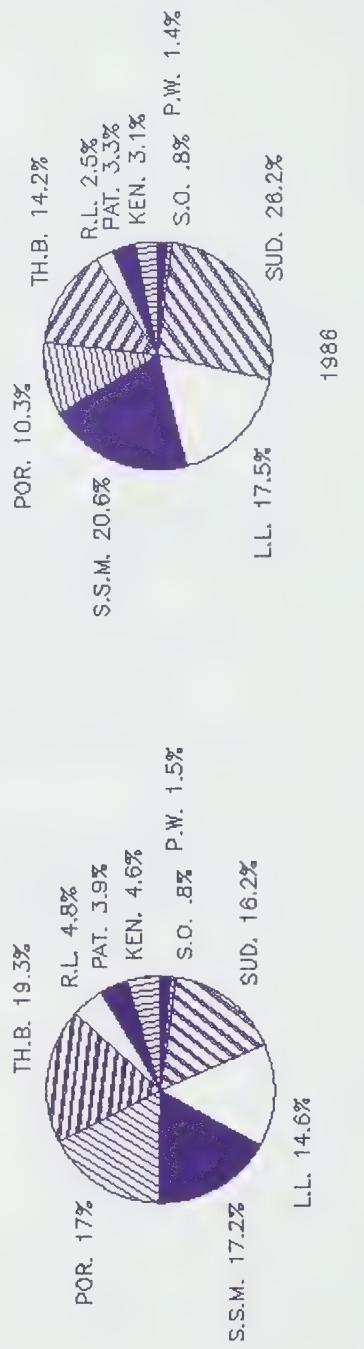
Source: Information and Statistics Section, MNDM

TOTAL EXPLORATION AND DEVELOPMENT EXPENDITURES
IN ONTARIO
1987 VS 1986
(BY MINING DIVISION)



Source: Information and Statistics Section, MNDM

TOTAL EXPLORATION AND DEVELOPMENT EXPENDITURES
IN ONTARIO
1987 VS 1986
(BY MINING DIVISION)



Source: Information and Statistics Section, MNDM

GENERAL EXPLORATION EXPENDITURES
IN NORTHWEST REGION
1987

=====

| | KENORA | PATRICIA | RED LAKE | THUNDER BAY | TOTAL |
|-------------------|------------|------------|------------|-------------|------------|
| | (\$) | (\$) | (\$) | (\$) | (\$) |
| Diamond Drilling | 10 022 414 | 8 028 238 | 10 719 697 | 22 382 377 | 51 152 726 |
| Geochemical | 405 321 | 415 809 | 573 953 | 1 325 956 | 2 721 039 |
| Geology | 1 021 498 | 945 738 | 1 984 998 | 3 609 021 | 7 561 255 |
| Geophysical | 1 022 707 | 1 054 466 | 1 751 272 | 2 152 547 | 5 980 992 |
| Airborne Geo. | 85 792 | 100 352 | 35 067 | 264 484 | 485 695 |
| Rock Work | 8 331 913 | 39 086 | 4 383 829 | 2 870 280 | 15 625 108 |
| Other | 2 895 065 | 1 107 592 | 4 396 790 | 6 797 762 | 15 197 209 |
| Total Expenditure | 23 784 710 | 11 691 281 | 23 845 606 | 39 402 427 | 98 724 024 |

Source: Information and Statistics Section, MNDM

GENERAL EXPLORATION EXPENDITURES
IN NORTHEAST REGION
1987

=====

| | LARDER LAKE | PORCUPINE | S. S. MARIE | SUDBURY | TOTAL |
|-------------------|-------------|------------|-------------|------------|-------------|
| | (\\$) | (\\$) | (\\$) | (\\$) | (\\$) |
| Diamond Drilling | 25 990 098 | 19 877 259 | 8 000 367 | 7 012 826 | 60 880 550 |
| Geochemical | 3 694 376 | 1 169 516 | 245 739 | 396 992 | 5 506 623 |
| Geology | 1 827 513 | 2 027 614 | 619 750 | 1 348 278 | 5 823 155 |
| Geophysical | 2 590 098 | 1 906 453 | 547 557 | 873 388 | 5 917 496 |
| Airborne Geo. | 301 170 | 284 483 | 5 357 | 772 014 | 1 363 024 |
| Rock Work | 5 215 827 | 17 239 624 | 596 718 | 107 547 | 23 159 716 |
| Other | 5 056 937 | 4 193 264 | 1 426 654 | 864 274 | 11 541 129 |
| Total Expenditure | 44 676 019 | 46 698 213 | 11 442 142 | 11 375 319 | 114 191 693 |

MINESITE EXPLORATION EXPENDITURES
IN NORTHWEST REGION
1987

=====

| | KENORA | PATRICIA | RED LAKE | THUNDER BAY | TOTAL |
|-------------------|---------|-----------|----------|-------------|------------|
| | ----- | ----- | ----- | ----- | ----- |
| | (\$) | (\$) | (\$) | (\$) | (\$) |
| Diamond Drilling | 350 691 | 3 490 619 | 0 | 7 120 501 | 10 961 811 |
| Geochemical | 3 984 | 479 709 | 27 334 | 192 334 | 703 361 |
| Geology | 628 | 318 418 | 12 939 | 4 314 368 | 4 646 353 |
| Geophysical | 84 018 | 51 657 | 0 | 13 800 | 149 475 |
| Airborne Geo. | 0 | 0 | 0 | 1 046 | 1 046 |
| Rock Work | 0 | 53 645 | 0 | 12 307 | 65 952 |
| Other | 294 811 | 460 803 | 410 776 | 4 842 560 | 6 008 950 |
| Total Expenditure | 734 132 | 4 854 851 | 451 049 | 16 496 916 | 22 536 948 |

Source: Information and Statistics Section, MNDM

MINESITE EXPLORATION EXPENDITURES
IN NORTHEAST REGION
1987

| | LARDER LAKE | PORCUPINE | S. S. MARIE | SUDBURY | TOTAL |
|-------------------|-------------|-----------|-------------|-----------|------------|
| | ----- | ----- | ----- | ----- | ----- |
| | (\\$) | (\\$) | (\\$) | (\\$) | (\\$) |
| Diamond Drilling | 4 377 665 | 863 627 | 5 521 000 | 1 253 151 | 12 015 443 |
| Geochemical | 0 | 0 | 340 000 | 0 | 340 000 |
| Geology | 51 411 | 0 | 4 677 000 | 0 | 4 728 411 |
| Geophysical | 0 | 0 | 0 | 0 | 0 |
| Airborne Geo. | 10 000 | 0 | 0 | 0 | 10 000 |
| Rock Work | 822 835 | 0 | 86 584 | 466 667 | 1 376 086 |
| Other | 34 000 | 0 | 1 229 000 | 610 670 | 1 873 670 |
| Total Expenditure | 5 295 911 | 863 627 | 11 853 584 | 2 330 488 | 20 343 610 |

MINESITE DEVELOPMENT EXPENDITURES
IN NORTHWEST REGION
1987

=====

| | KENORA (\$) | PATRICIA (\$) | RED LAKE (\$) | THUNDER BAY (\$) | TOTAL (\$) |
|----------------------|----------------|------------------|------------------|---------------------|---------------|
| Diamond Drilling | 1 094 738 | 1 238 377 | 876 933 | 1 812 825 | 5 022 873 |
| Shaft | 0 | 0 | 0 | 0 | 0 |
| Drifts and Crosscuts | 1 690 318 | 4 303 990 | 2 760 616 | 34 307 378 | 43 062 302 |
| Raises and Declines | 781 100 | 1 338 570 | 533 479 | 8 015 707 | 10 668 856 |
| Stripping | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 748 524 | 165 570 | 17 598 997 | 18 513 091 |
| Total Expenditure | 3 566 156 | 7 629 461 | 4 336 598 | 61 734 907 | 77 267 122 |

Source: Information and Statistics Section, MNDM

MINESITE DEVELOPMENT EXPENDITURES
IN NORTHEAST REGION
1987

| | LARDER LAKE | PORCUPINE | S. S. MARIE | SUDBURY | TOTAL |
|-----------------------|----------------|----------------|----------------|----------------|-----------------|
| | ----- | ----- | ----- | ----- | ----- |
| | (\$) | (\$) | (\$) | (\$) | (\$) |
| Diamond Drilling | 7 979 888 | 4 117 631 | 3 239 045 | 3 583 794 | 18 920 358 |
| Shaft | 1 692 702 | 999 966 | 0 | 111 812 | 2 804 480 |
| Drifts and Crosscuts | 10 695 425 | 26 310 480 | 51 276 393 | 33 586 422 | 121 868 720 |
| Raises and Declines | 10 556 520 | 14 458 586 | 25 993 454 | 11 942 079 | 62 950 639 |
| Stripping | 4 286 364 | 10 000 | 0 | 4 743 443 | 9 039 807 |
| Other | 4 221 756 | 11 007 627 | 769 453 | 31 145 559 | 47 144 395 |
| Total Expenditure | 39 432 655 | 56 904 290 | 81 278 345 | 85 113 109 | 262 728 399 |

EXPLORATION AND DEVELOPMENT EXPENDITURES
IN NORTHWEST AND NORTHEAST REGIONS
1987



Source: Information and Statistics Section, MNDM

GENERAL EXPLORATION EXPENDITURES
IN SOUTHERN REGION AND UNDEFINED REGION
1987

=====

| | SOUTHERN ONTARIO | UNDEFINED REGION | TOTAL |
|-------------------|---------------------|---------------------|------------|
| | ----- | ----- | ----- |
| | (\$) | (\$) | (\$) |
| Diamond Drilling | 1 449 868 | 2 825 579 | 4 275 447 |
| Geochemical | 132 018 | 455 666 | 587 684 |
| Geology | 386 374 | 2 283 414 | 2 669 788 |
| Geophysical | 138 916 | 569 167 | 708 083 |
| Airborne Geo. | 56 100 | 140 146 | 196 246 |
| Rock Work | 237 273 | 148 312 | 385 585 |
| Other | 260 744 | 2 724 370 | 2 985 114 |
| Total Expenditure | 2 661 293 | 9 146 654 | 11 807 947 |

Source: Information and Statistics Section, MNDM

MINESITE EXPLORATION EXPENDITURES
IN SOUTHERN REGION
1987

=====

SOUTHERN
ONTARIO

(\$)

| | |
|------------------|---------|
| Diamond Drilling | 321 985 |
| Geochemical | 12 372 |
| Geology | 0 |
| Geophysical | 0 |
| Airborne Geo. | 0 |
| Rock Work | 0 |
| Other | 22 260 |

| | |
|-------------------|---------|
| Total Expenditure | 356 617 |
|-------------------|---------|

Source: Information and Statistics Section, MNDM

MINESITE DEVELOPMENT EXPENDITURES
IN SOUTHERN REGION
1987

SOUTHERN
ONTARIO

(\$)

| | |
|----------------------|---------|
| Diamond Drilling | 771 055 |
| Shaft | 0 |
| Drifts and Crosscuts | 0 |
| Raises and Declines | 825 000 |
| Stripping | 89 823 |
| Other | 379 315 |

Total Expenditure 2 065 193

Source: Information and Statistics Section, MNDM

GENERAL EXPLORATION EXPENDITURES
 IN ONTARIO
 BY METAL OR MINERAL SOUGHT
 1987 VS 1986

| | 1987 ----- (\$) | 1986 ----- (\$) | % Change ----- |
|---------------------------------------|-----------------------|-----------------------|-------------------|
| Gold Only | 175 276 003 | 77 871 620 | 125.1 |
| Gold & Other Metals (incl. Silver) | 7 110 790 | 2 672 755 | 166.0 |
| Base Metals | 22 213 847 | 11 885 830 | 86.9 |
| Platinum Group Metals | 14 310 929 | 3 632 968 | 293.9 |
| Uranium | 0 | 10 418 | -100.0 |
| Industrial Minerals | 1 751 899 | 1 720 957 | 1.8 |
| Misc. Metal/Ind. Min. | 427 066 | 125 294 | 240.9 |
| Various | 3 633 130 | 1 560 102 | 132.9 |
| Total Expenditure | 224 723 664 | 99 479 944 | 125.9 |

Source: Information and Statistics Section, MNDM

MINESITE EXPLORATION EXPENDITURES
 IN ONTARIO
 BY METAL OR MINERAL SOUGHT
 1987 VS 1986

| | 1987 | 1986 | % Change |
|---------------------------------------|------------|------------|----------|
| | (\$) | (\$) | ----- |
| Gold Only | 26 413 680 | 15 001 593 | 76.1 |
| Gold & Other Metals (incl. Silver) | 3 636 639 | 3 337 494 | 9.0 |
| Base Metals | 7 843 164 | 6 000 260 | 30.7 |
| Platinum Group Metals | 4 987 075 | 0 | 0.0 |
| Industrial Minerals | 356 617 | 46 240 | 671.2 |
| Total Expenditure | 43 237 175 | 24 385 587 | 77.3 |

Source: Information and Statistics Section, MNDM

MINESITE DEVELOPMENT EXPENDITURES
 IN ONTARIO
 BY METAL OR MINERAL SOUGHT
 1987 VS 1986

| | 1987 | 1986 | % Change |
|---------------------------------------|-------------|-------------|----------|
| | ----- | ----- | ----- |
| | (\$) | (\$) | |
| Gold Only | 134 907 208 | 65 827 024 | 104.9 |
| Gold & Other Metals (incl. Silver) | 5 802 093 | 3 878 917 | 49.6 |
| Base Metals | 115 500 855 | 89 572 705 | 28.9 |
| Uranium, Yttrium | 73 125 677 | 61 846 595 | 18.2 |
| Iron | 10 603 515 | 12 366 486 | -14.3 |
| Industrial Minerals | 2 121 366 | 556 184 | 281.4 |
| Total Expenditure | 342 060 714 | 234 047 911 | 46.1 |

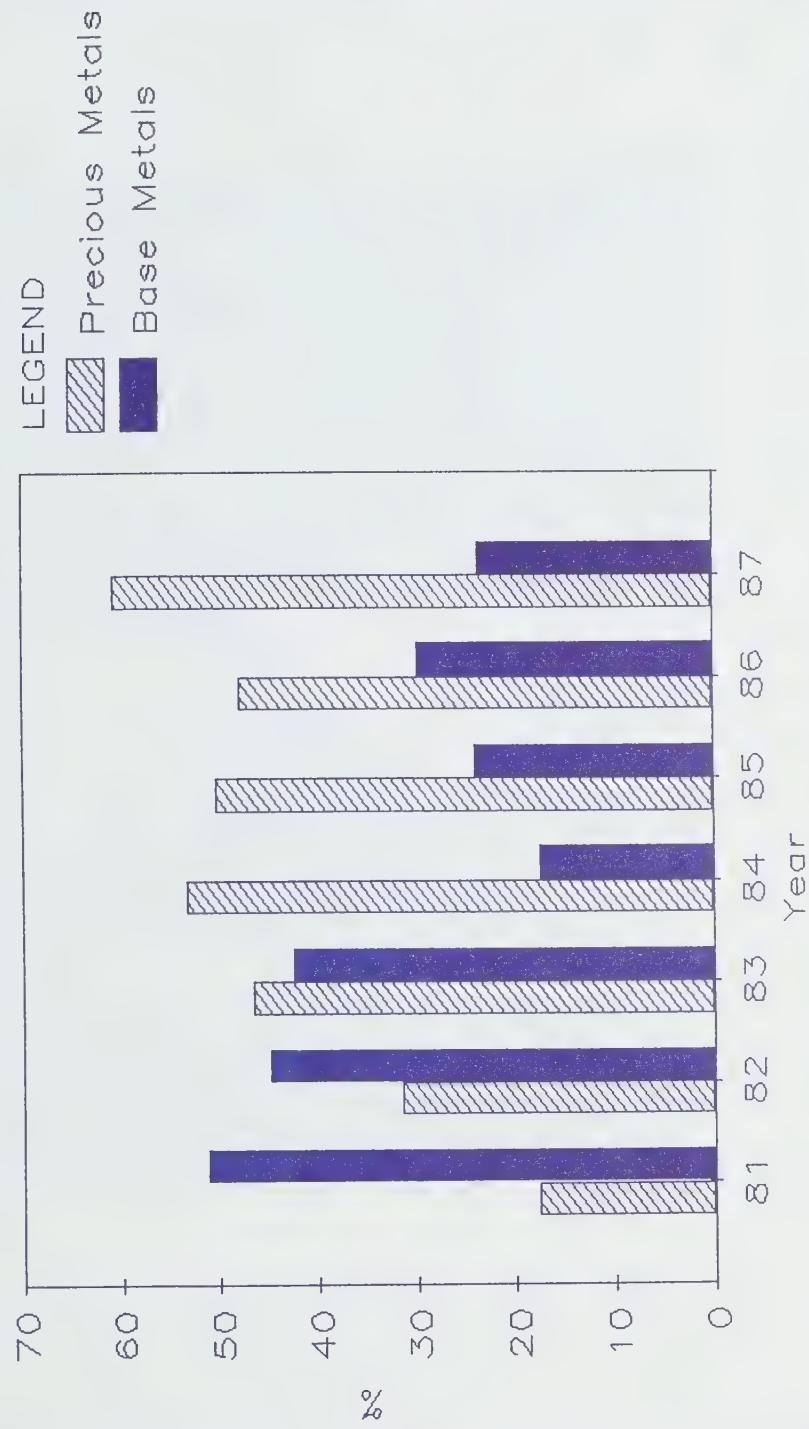
Source: Information and Statistics Section, MNDM

EXPLORATION AND DEVELOPMENT EXPENDITURES
 IN ONTARIO
 PRECIOUS METALS AND BASE METALS
 (IN CURRENT DOLLARS)
 1981 - 1987

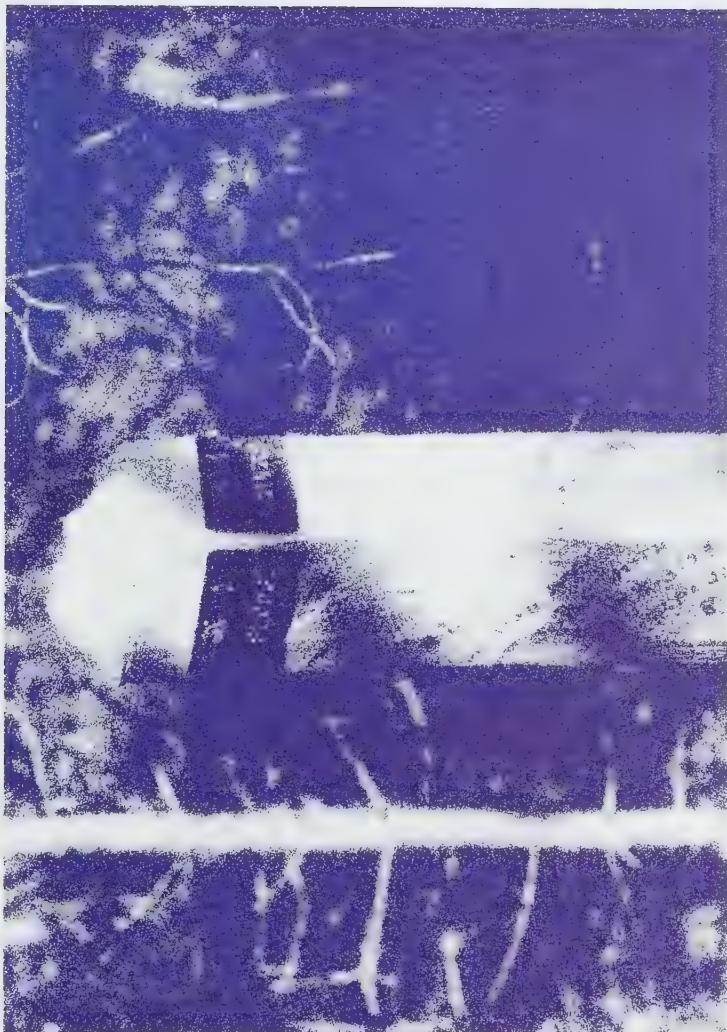
| YEAR | PRECIOUS METALS | | | BASE METALS | | | TOTAL EXPENDITURES (\$) |
|------|-----------------|-------------------------------|-------------|-------------------------------|-------------|-------------------------------|-------------------------------|
| | AS (\$) | AS % OF TOTAL EXPENDITURES | (\$) | AS % OF TOTAL EXPENDITURES | (\$) | AS % OF TOTAL EXPENDITURES | |
| 1987 | 371 180 106 | 60.8 | 145 557 866 | 23.9 | 610 021 553 | | |
| 1986 | 172 222 371 | 48.1 | 107 458 795 | 30.0 | 357 913 442 | | |
| 1985 | 143 752 592 | 50.5 | 68 544 902 | 24.1 | 284 514 464 | | |
| 1984 | 144 672 134 | 53.5 | 47 956 717 | 17.7 | 270 282 158 | | |
| 1983 | 80 300 473 | 46.8 | 73 115 384 | 42.7 | 171 384 988 | | |
| 1982 | 33 607 869 | 31.6 | 47 817 766 | 45.0 | 106 390 043 | | |
| 1981 | 27 118 748 | 17.8 | 78 167 026 | 51.4 | 152 010 941 | | |

Source: Information and Statistics Section, MNDM

EXPLORATION AND DEVELOPMENT EXPENDITURES
IN ONTARIO
PRECIOUS METALS AND BASE METALS
AS % OF TOTAL EXPENDITURES



Source: Information and Statistics Section, MNDM



CLAIMS REPORT

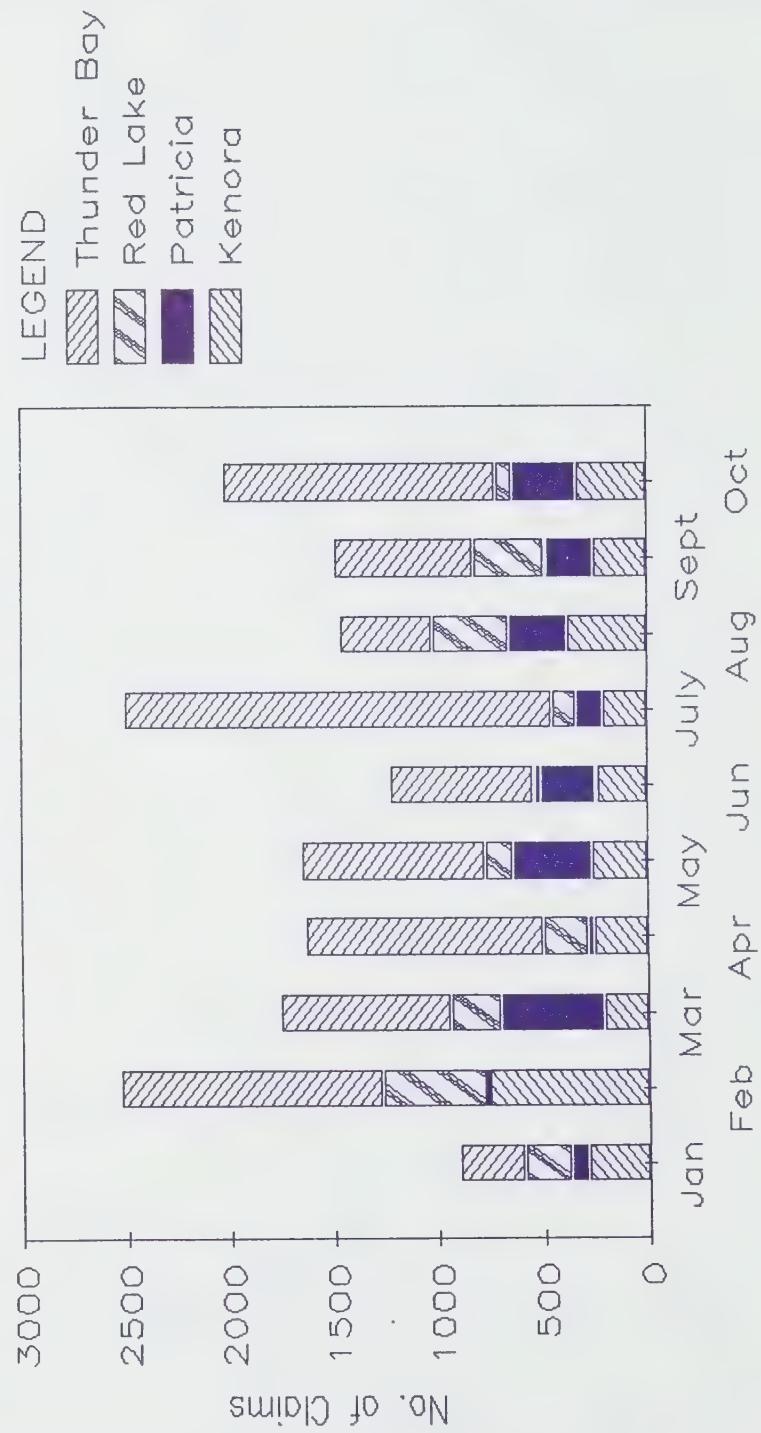
FROM

ONTARIO MINING RECORDER'S OFFICES
RECORDED BY MONTH '88

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Jan. - Oct. |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Northwest Region | | | | | | | | | | | |
| Kenora | 290 | 763 | 213 | 261 | 269 | 244 | 216 | 380 | 260 | 336 | 3 232 |
| Patricia | 83 | 13 | 492 | 25 | 370 | 260 | 123 | 278 | 224 | 301 | 2 169 |
| Red Lake | 218 | 493 | 236 | 211 | 138 | 33 | 115 | 366 | 340 | 80 | 2 230 |
| Thunder Bay | 318 | 1 266 | 820 | 1 142 | 880 | 693 | 2 049 | 443 | 668 | 1 311 | 9 590 |
| Total | 909 | 2 535 | 1 761 | 1 639 | 1 657 | 1 230 | 2 503 | 1 467 | 1 492 | 2 028 | 17 221 |
| Northeast Region | | | | | | | | | | | |
| Larder Lake | 496 | 311 | 410 | 270 | 162 | 495 | 338 | 377 | 257 | 269 | 3 385 |
| Porcupine | 361 | 777 | 951 | 1 634 | 712 | 399 | 134 | 196 | 316 | 215 | 5 695 |
| Sault Ste. Marie | 221 | 849 | 588 | 438 | 485 | 1 297 | 1 021 | 686 | 404 | 353 | 6 342 |
| Sudbury | 83 | 8 | 36 | 132 | 166 | 1111 | 132 | 43 | 32 | 22 | 765 |
| Total | 1 161 | 1 945 | 1 985 | 2 474 | 1 525 | 2 302 | 1 625 | 1 302 | 1 009 | 859 | 16 187 |
| Southern Region | | | | | | | | | | | |
| Southern Ontario | 82 | 53 | 113 | 144 | 17 | 84 | 149 | 93 | 47 | 55 | 837 |
| Total | 82 | 53 | 113 | 144 | 17 | 84 | 149 | 93 | 47 | 55 | 837 |
| TOTAL ALL REGIONS: | 2 152 | 4 533 | 3 859 | 4 257 | 3 199 | 3 616 | 4 277 | 2 862 | 2 548 | 2 942 | 34 245 |

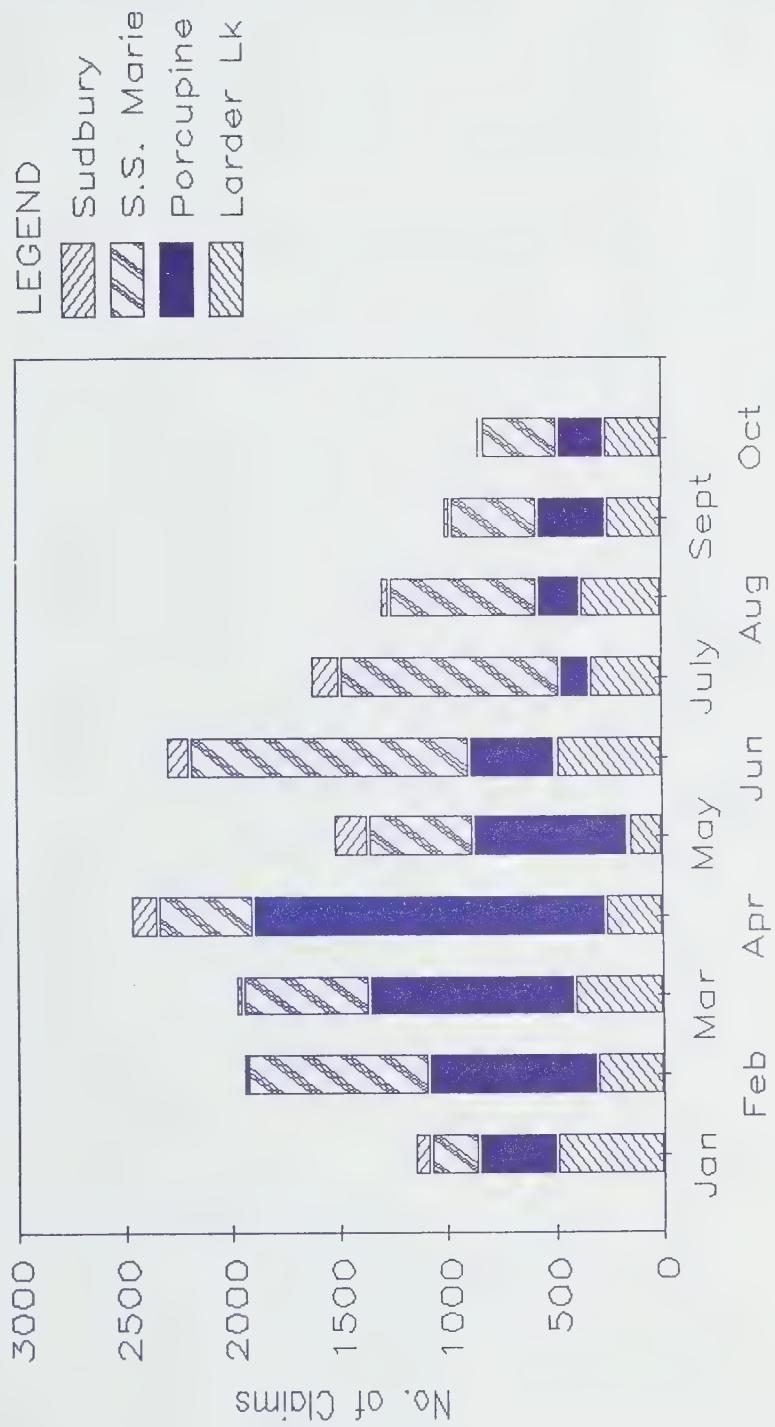
Source: Information and Statistics Section, MNNDM

MINING CLAIMS RECORDED
IN NORTHWEST REGION
BY MONTH
JAN.-OCT. 1988



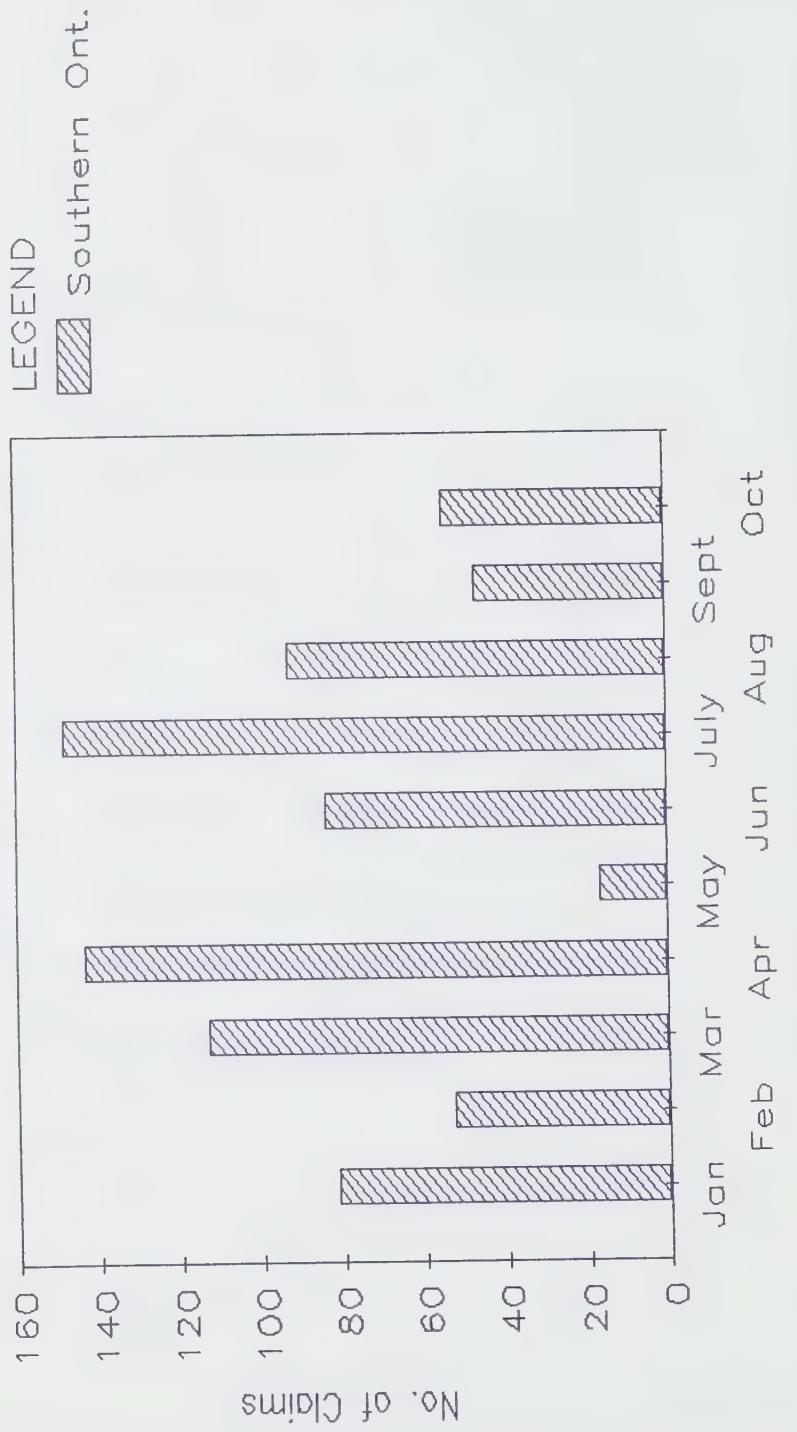
Source: Information and Statistics Section, MNDM

MINING CLAIMS RECORDED
IN NORTHEAST REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

MINING CLAIMS RECORDED
IN SOUTHERN REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

CLAIMS REPORT

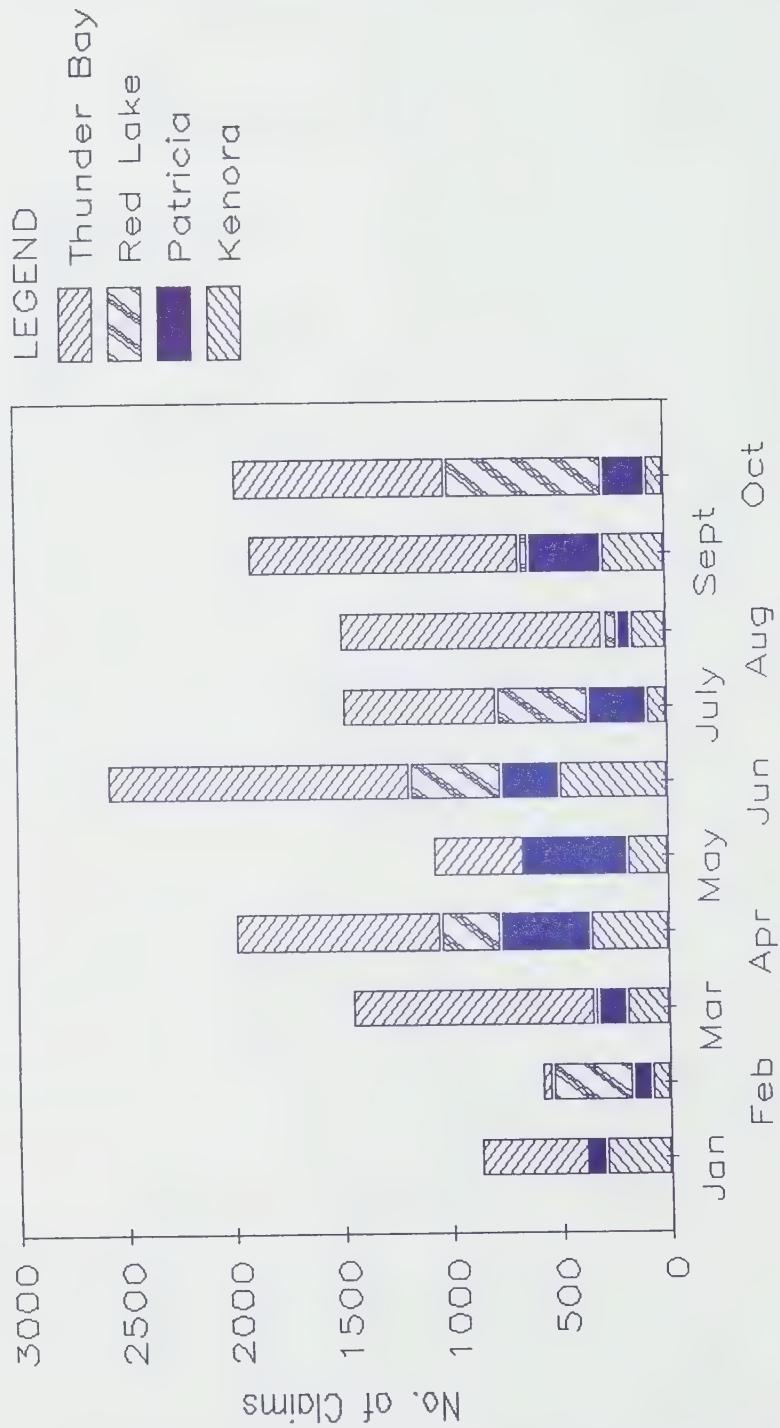
FROM

ONTARIO MINING RECORDER'S OFFICES
CANCELLED BY MONTH '88

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Jan. - Oct. | Total |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|-------|
| Northwest Region | | | | | | | | | | | | |
| Kenora | 300 | 89 | 204 | 365 | 194 | 498 | 101 | 170 | 294 | 93 | 2 308 | |
| Patricia | 70 | 82 | 128 | 411 | 461 | 267 | 263 | 60 | 336 | 190 | 2 268 | |
| Red Lake | 13 | 374 | 12 | 271 | 7 | 421 | 420 | 60 | 38 | 724 | 2 340 | |
| Thunder Bay | 496 | 52 | 1 113 | 945 | 416 | 1 397 | 708 | 1 213 | 1 250 | 982 | 8 572 | |
| Total | 879 | 597 | 1 457 | 1 992 | 1 078 | 2 583 | 1 492 | 1 503 | 1 918 | 1 989 | 15 488 | |
| Northeast Region | | | | | | | | | | | | |
| Larder Lake | 236 | 446 | 165 | 472 | 73 | 164 | 553 | 587 | 458 | 444 | 3 598 | |
| Porcupine | 184 | 633 | 162 | 1 072 | 419 | 588 | 922 | 959 | 539 | 755 | 6 233 | |
| Sault Ste. Marie | 90 | 91 | 92 | 139 | 311 | 166 | 164 | 57 | 77 | 52 | 1 239 | |
| Sudbury | 65 | 302 | 59 | 20 | 450 | 0 | 2 | 642 | 69 | 9 | 1 618 | |
| Total | 575 | 1 472 | 478 | 1 703 | 1 253 | 918 | 1 641 | 2 245 | 1 143 | 1 260 | 12 688 | |
| Southern Region | | | | | | | | | | | | |
| Southern Ontario | 13 | 22 | 3 | 92 | 16 | 36 | 19 | 63 | 41 | 5 | 310 | |
| Total | 13 | 22 | 3 | 92 | 16 | 36 | 19 | 63 | 41 | 5 | 310 | |
| TOTAL ALL REGIONS: | 1 467 | 2 091 | 1 938 | 3 787 | 2 347 | 3 537 | 3 152 | 3 811 | 3 102 | 3 254 | 28 486 | |

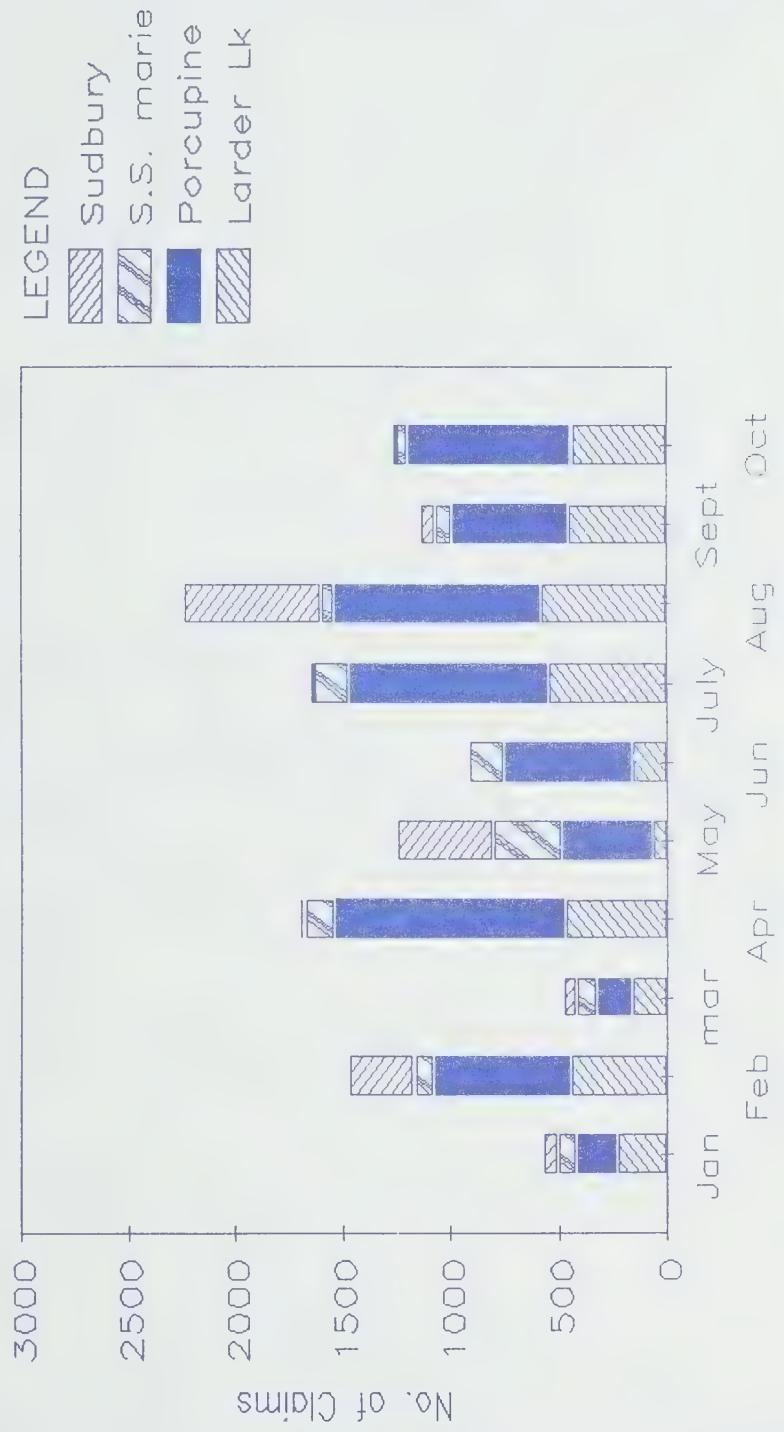
Source: Information and Statistics Section, MNDM

MINING CLAIMS CANCELLED
IN NORTHWEST REGION
BY MONTH
JAN.-OCT. 1988



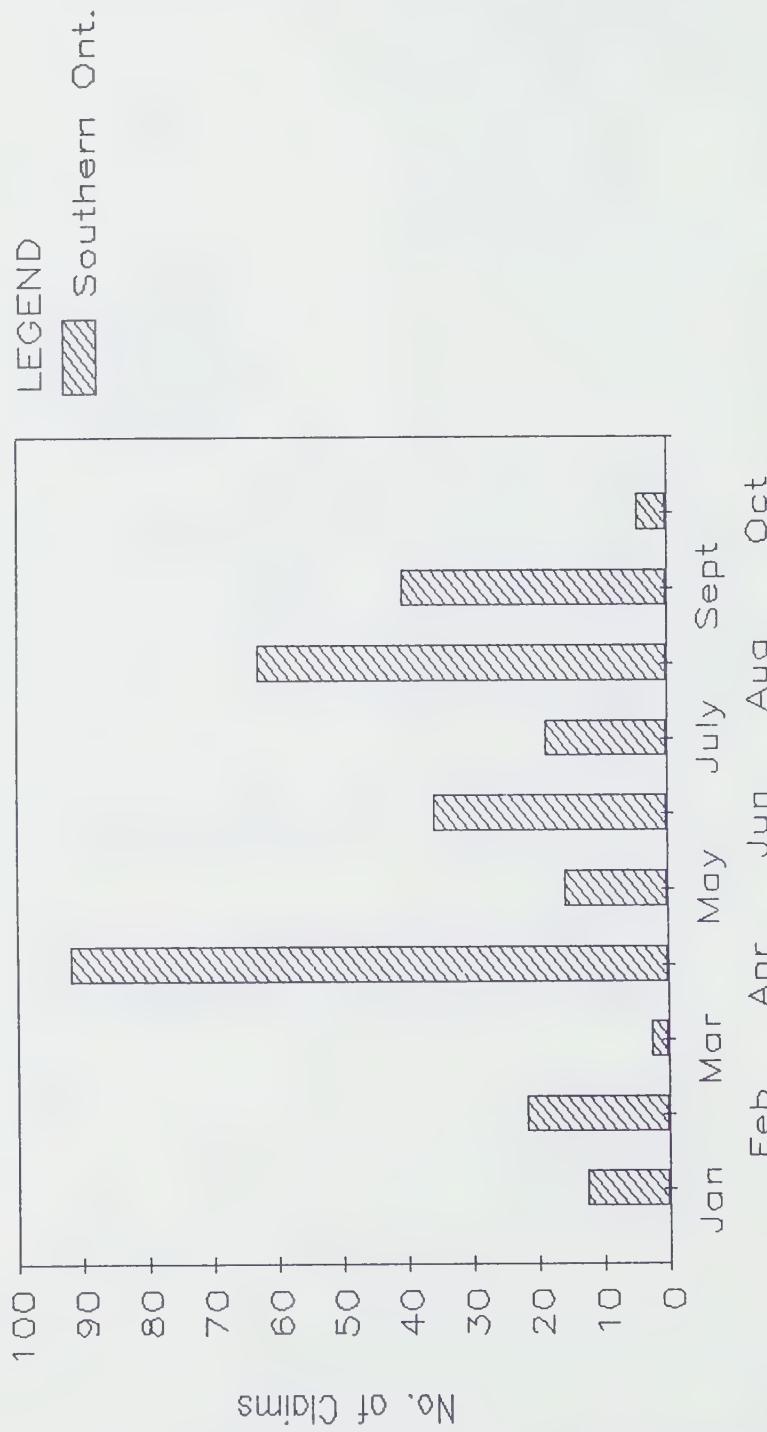
Source: Information and Statistics Section, MNDM

MINING CLAIMS CANCELLED
IN NORTHEAST REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

MINING CLAIMS CANCELLED
IN SOUTHERN REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

CLAIMS REPORT

FROM

ONTARIO MINING RECORDER'S OFFICES

DIFFERENCE BETWEEN RECORDED AND CANCELLED BY MONTH '88

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. |
|--------------------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|
| | | | | | | | | | | |
| Northwest Region | | | | | | | | | | |
| Kenora | -10 | 674 | 9 | -104 | 75 | -254 | 115 | 210 | -34 | 243 |
| Patricia | 13 | -69 | 364 | -386 | -91 | -7 | -140 | 218 | -112 | 111 |
| Red Lake | 205 | 119 | 224 | -60 | 131 | -388 | -305 | 306 | 302 | -644 |
| Thunder Bay | -178 | 1 214 | -293 | 197 | 464 | -704 | 1 341 | -770 | -582 | 329 |
| Total | 30 | 1 938 | 304 | -353 | 579 | - 1 353 | 1 011 | -36 | -426 | 39 |
| Northeast Region | | | | | | | | | | |
| Larder Lake | 260 | -135 | 245 | -202 | 89 | 331 | -215 | -210 | -201 | -175 |
| Porcupine | 177 | 144 | 789 | 562 | 293 | -189 | -788 | -763 | -223 | -540 |
| Sault Ste. Marie | 131 | 758 | 496 | 299 | 174 | 1 131 | 857 | 629 | 327 | 301 |
| Sudbury | 18 | -294 | -23 | 112 | -284 | 111 | 130 | -599 | -37 | 13 |
| Total | 586 | 473 | 1 507 | 771 | 272 | 1 384 | -16 | -943 | -134 | -401 |
| Southern Region | | | | | | | | | | |
| Southern Ontario | 69 | 31 | 110 | 52 | 1 | 48 | 130 | 30 | 6 | 50 |
| Total | 69 | 31 | 110 | 52 | 1 | 48 | 130 | 30 | 6 | 50 |
| TOTAL ALL REGIONS: | 685 | 2 442 | 1 921 | - | 470 | 852 | 79 | 1 125 | -949 | -554 |
| | | | | | | | | | | -312 |

Source: Information and Statistics Section, MNDM

CLAIMS AND WORKDAYS REPORT
FROM
ONTARIO MINING RECORDER'S OFFICE
CUMULATIVE

| Oct '88 | | | Oct '87 | | | Oct '88 | | | Oct '87 | | | Oct '88 | | | Oct '87 | | |
|---------------------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|---------------|--------------|------------|--------------|------------|--------------|-----------|---------|----------|-----------|
| claims | recorded | % change! | claims | recorded | % change! | claims | recorded | % change! | claims | recorded | % change! | claims | recorded | % change! | claims | recorded | % change! |
| Northwest Region | | | | | | | | | | | | | | | | | |
| Kenora | 3 232 | 4 893 | -33.95 | 2 308 | 2 277 | 1.36 | 924 | 2 616 | -99 | 3 449 | 514 | 736 | 613 | 519 | -16.10 | 48.46 | 260 681 |
| Patricia | 2 169 | 5 254 | -58.72 | 2 268 | 1 805 | 25.65 | - | - | - | - | - | - | - | - | - | - | - |
| Red Lake | 2 230 | 4 009 | -44.38 | 2 340 | 1 404 | 66.67 | -110 | 2 605 | - | 414 | 002 | - | 190 | 857 | - | 116.92 | - |
| Thunder Bay | 9 590 | 13 921 | -31.11 | 8 572 | 7 098 | 20.77 | 1 018 | 6 823 | 1 023 | 218 | - | 883 | 574 | - | 15.80 | - | - |
| Total | 17 221 | 28 077 | -38.67 | 15 488 | 12 584 | 23.08 | 1 733 | 15 493 | 2 338 | 959 | 948 | 631 | - | 20.03 | - | - | - |
| Northeast Region | | | | | | | | | | | | | | | | | |
| Larder Lake | 3 385 | 5 615 | -39.72 | 3 598 | 3 488 | 3.15 | -213 | 2 127 | - | 559 | 640 | - | 485 | 559 | - | 15.26 | - |
| Porcupine | 5 695 | 7 841 | -27.37 | 6 233 | 3 872 | 60.98 | - | -538 | 3 969 | - | 527 | 423 | - | 757 | 685 | - | -30.39 |
| Sault Ste. Marie | 6 342 | 3 937 | 61.09 | 1 239 | 1 828 | -32.22 | 5 103 | 2 109 | - | 402 | 805 | - | 306 | 651 | - | 31.36 | - |
| Sudbury | 765 | 5 452 | -85.97 | 1 618 | 536 | 201.87 | - | -853 | 4 916 | - | 296 | 605 | - | 62 | 041 | - | 378.08 |
| Total | 16 187 | 22 845 | -29.14 | 12 688 | 9 724 | 30.48 | 3 499 | 13 121 | 1 786 | 473 | 1 611 | 936 | - | 10.83 | - | - | - |
| Southern Region | | | | | | | | | | | | | | | | | |
| Southern Ontario | 837 | 480 | 74.38 | 310 | 371 | -16.44 | - | 527 | 109 | - | 42 | 918 | - | 24 | 878 | - | 72.51 |
| Total | 837 | 480 | 74.38 | 310 | 371 | -16.44 | - | 527 | 109 | - | 42 | 918 | - | 24 | 878 | - | 72.51 |
| TOTAL ALL REGIONS: | 34 245 | 51 402 | -33.38 | 28 486 | 22 679 | 25.61 | 5 759 | 28 723 | 4 168 | 350 | 3 585 | 445 | 16.26 | | | | |

Source: Information and Statistics Section, MNDM

CLAIMS AND WORKDAYS REPORT
FROM
ONTARIO MINING RECORDERS' OFFICES

| | Oct '88 | Oct '87 | | Oct '88 | Oct '87 | | Oct '88 | Oct '87 | | Oct '88 | Oct '87 | |
|---------------------------|--------------------|--------------|---------------|---------------------|--------------|--------------|-----------------------------|--------------|------------|--------------------|------------|------------|
| | claims recorded | % change | | claims cancelled | % change | | recorded minus cancelled | | | man days worked | | % change |
| Northwest Region | | | | | | | | | | | | |
| Kenora | 336 | 312 | 7.69 | 93 | 185 | -49.73 | 243 | 127 | 20 | 164 | 59 | 700 |
| Patricia | 301 | 765 | -60.65 | 190 | 104 | 82.69 | 111 | 661 | 37 | 415 | 46 | 644 |
| Red Lake | 80 | 165 | -51.52 | 724 | 13 | 5 469.23 | -644 | 152 | 82 | 315 | 17 | 391 |
| Thunder Bay | 1 311 | 1 284 | 2.10 | 982 | 933 | 5.25 | 329 | 351 | 167 | 879 | 69 | 050 |
| Total | 2 028 | 2 526 | -19.71 | 1 989 | 1 235 | 61.05 | 39 | 1 291 | 307 | 773 | 192 | 785 |
| Northeast Region | | | | | | | | | | | | |
| Larder Lake | 269 | 403 | -33.25 | 444 | 273 | 62.64 | -175 | 130 | 38 | 112 | 49 | 580 |
| Porcupine | 215 | 678 | -68.29 | 755 | 465 | 62.37 | -540 | 213 | 45 | 922 | 40 | 273 |
| Sault Ste. Marie | 353 | 218 | 61.93 | 52 | 81 | -35.80 | 301 | 137 | 32 | 163 | 33 | 535 |
| Sudbury | 22 | 14 | 57.14 | 9 | 1 | 800.00 | 13 | 13 | 5 | 946 | 10 | 883 |
| Total | 859 | 1 313 | -34.58 | 1 260 | 820 | 53.66 | -401 | 493 | 122 | 143 | 134 | 271 |
| Southern Region | | | | | | | | | | | | |
| Southern Ontario | 55 | 34 | 61.76 | 5 | 0 | - | 50 | 34 | 1 | 391 | 6 | 276 |
| Total | 55 | 34 | 61.76 | 5 | 0 | - | 50 | 34 | 1 | 391 | 6 | 276 |
| TOTAL ALL REGIONS: | 2 942 | 3 873 | -24.04 | 3 254 | 2 055 | 58.35 | -312 | 1 818 | 431 | 307 | 333 | 332 |

Source: Information and Statistics Section, MNDM

CLAIMS AND WORKDAYS REPORT
FROM
ONTARIO MINING RECORDER'S OFFICES

| | Oct '88 claims recorded | Sept '88 claims recorded | Oct '88 claims recorded | Sept '88 claims recorded | Oct '88 recorded minus cancelled | Sept '88 man days worked | Oct '88 man days worked | Sept '88 % change |
|---------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|--|--------------------------------|-------------------------------|----------------------|
| Northwest Region | | | | | | | | |
| Kenora | 336 | 260 | 29.23 | 93 | 294 | -68.37 | 243 | -34 |
| Patricia | 301 | 224 | 34.38 | 190 | 336 | -43.45 | 111 | -112 |
| Red Lake | 80 | 340 | -76.47 | 724 | 38 | 1 805.26 | -644 | 302 |
| Thunder Bay | 1 311 | 668 | 96.26 | 982 | 1 250 | -21.44 | 329 | -582 |
| Total | 2 028 | 1 492 | 35.92 | 1 989 | 1 918 | 3.70 | 39 | -426 |
| Northeast Region | | | | | | | | |
| Larder Lake | 269 | 257 | 4.67 | 444 | 458 | -3.06 | -175 | -201 |
| Porcupine | 215 | 316 | -31.96 | 755 | 539 | 40.07 | -540 | -223 |
| Sault Ste. Marie | 353 | 404 | -12.62 | 52 | 77 | -32.47 | 301 | 327 |
| Sudbury | 22 | 32 | -31.25 | 9 | 69 | -86.96 | 13 | -37 |
| Total | 859 | 1 009 | -14.87 | 1 260 | 1 143 | 10.24 | -401 | -134 |
| Southern Region | | | | | | | | |
| Southern Ontario | 55 | 47 | 17.02 | 5 | 41 | -87.80 | 50 | 6 |
| Total | 55 | 47 | 17.02 | 5 | 41 | -87.80 | 50 | 6 |
| TOTAL ALL REGIONS: | 2 942 | 2 548 | 15.46 | 3 254 | 3 102 | 4.90 | -312 | -554 |
| | | | | | | | | |

Source: Information and Statistics Section, MNDM



ASSESSMENT WORK REPORT

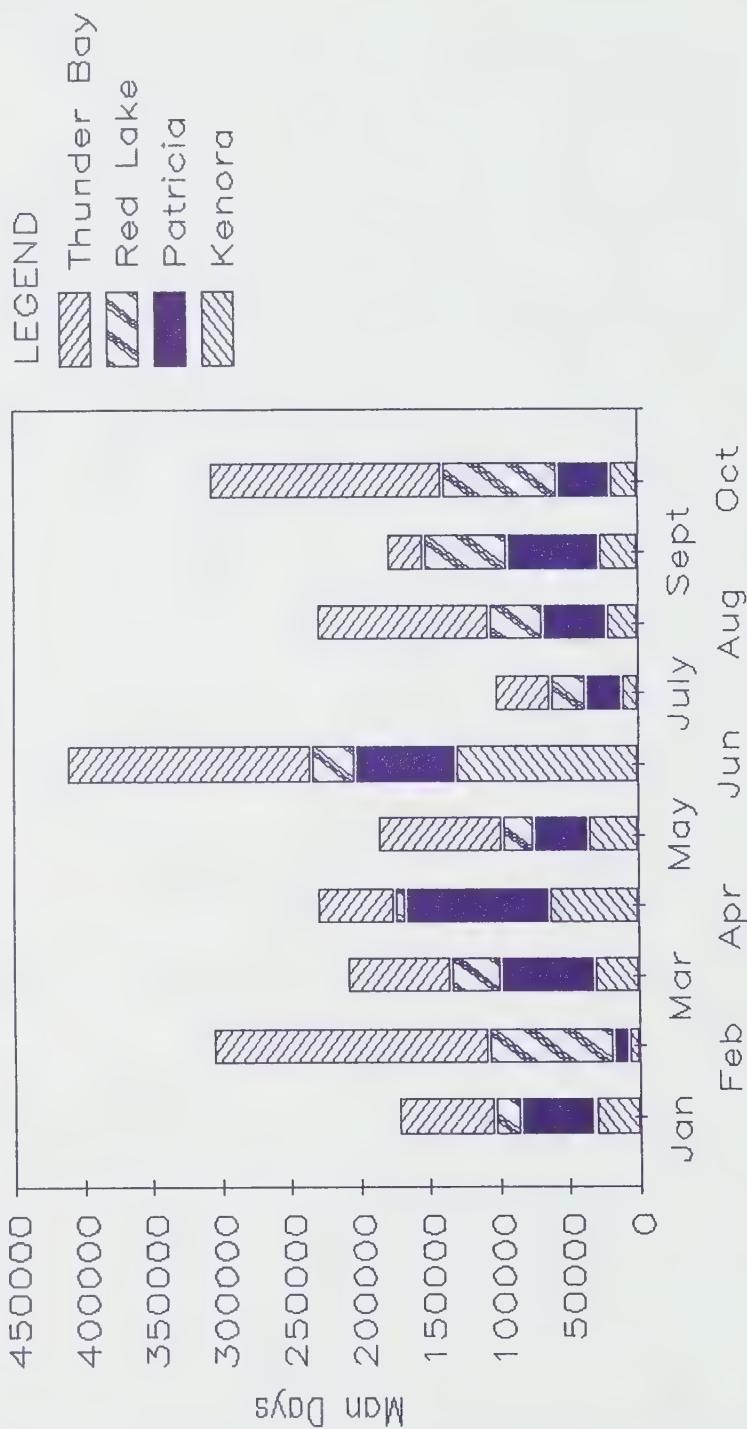
FROM

ONTARIO MINING RECORDERS' OFFICES
BY MONTH '88 (MAN DAYS)

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Jan. - Oct. | Total |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|-------|
| Northwest Region | | | | | | | | | | | | |
| Kenora | 32 586 | 8 131 | 32 559 | 64 025 | 36 074 | 130 582 | 11 813 | 23 217 | 27 852 | 20 164 | 387 003 | |
| Patricia | 53 214 | 10 738 | 65 549 | 103 147 | 37 893 | 71 732 | 24 940 | 44 198 | 65 910 | 37 415 | 514 736 | |
| Red Lake | 18 240 | 89 307 | 36 922 | 7 619 | 22 982 | 31 828 | 26 322 | 39 547 | 58 920 | 82 315 | 414 002 | |
| Thunder Bay | 69 464 | 198 227 | 73 661 | 55 771 | 89 773 | 177 277 | 39 955 | 123 993 | 27 218 | 167 879 | 1 023 218 | |
| Total | 173 504 | 306 403 | 208 691 | 230 562 | 186 722 | 411 419 | 103 030 | 230 955 | 179 900 | 307 773 | 2 338 959 | |
| Northeast Region | | | | | | | | | | | | |
| Larder Lake | 70 986 | 37 424 | 87 935 | 53 925 | 96 267 | 35 650 | 35 703 | 54 664 | 48 974 | 38 112 | 559 640 | |
| Porcupine | 20 851 | 59 623 | 93 665 | 75 773 | 20 886 | 149 194 | 26 850 | 20 143 | 14 516 | 45 922 | 527 423 | |
| Sault Ste. Marie | 14 953 | 46 876 | 60 549 | 121 359 | 20 181 | 20 942 | 34 322 | 25 809 | 25 651 | 32 163 | 402 805 | |
| Sudbury | 4 757 | 80 789 | 3 555 | 65 569 | 101 319 | 10 986 | 2 757 | 13 969 | 6 958 | 5 946 | 296 605 | |
| Total | 111 547 | 224 712 | 245 704 | 316 626 | 238 653 | 216 772 | 99 632 | 114 585 | 96 099 | 122 143 | 1 786 473 | |
| Southern Region | | | | | | | | | | | | |
| Southern Ontario | 3 262 | 2 840 | 8 972 | 4 232 | 5 228 | 3 390 | 5 082 | 5 593 | 2 928 | 1 391 | 42 918 | |
| Total | 3 262 | 2 840 | 8 972 | 4 232 | 5 228 | 3 390 | 5 082 | 5 593 | 2 928 | 1 391 | 42 918 | |
| TOTAL ALL REGIONS: | 288 313 | 533 955 | 463 367 | 551 420 | 430 603 | 631 581 | 207 744 | 351 133 | 278 927 | 431 307 | 4 168 350 | |

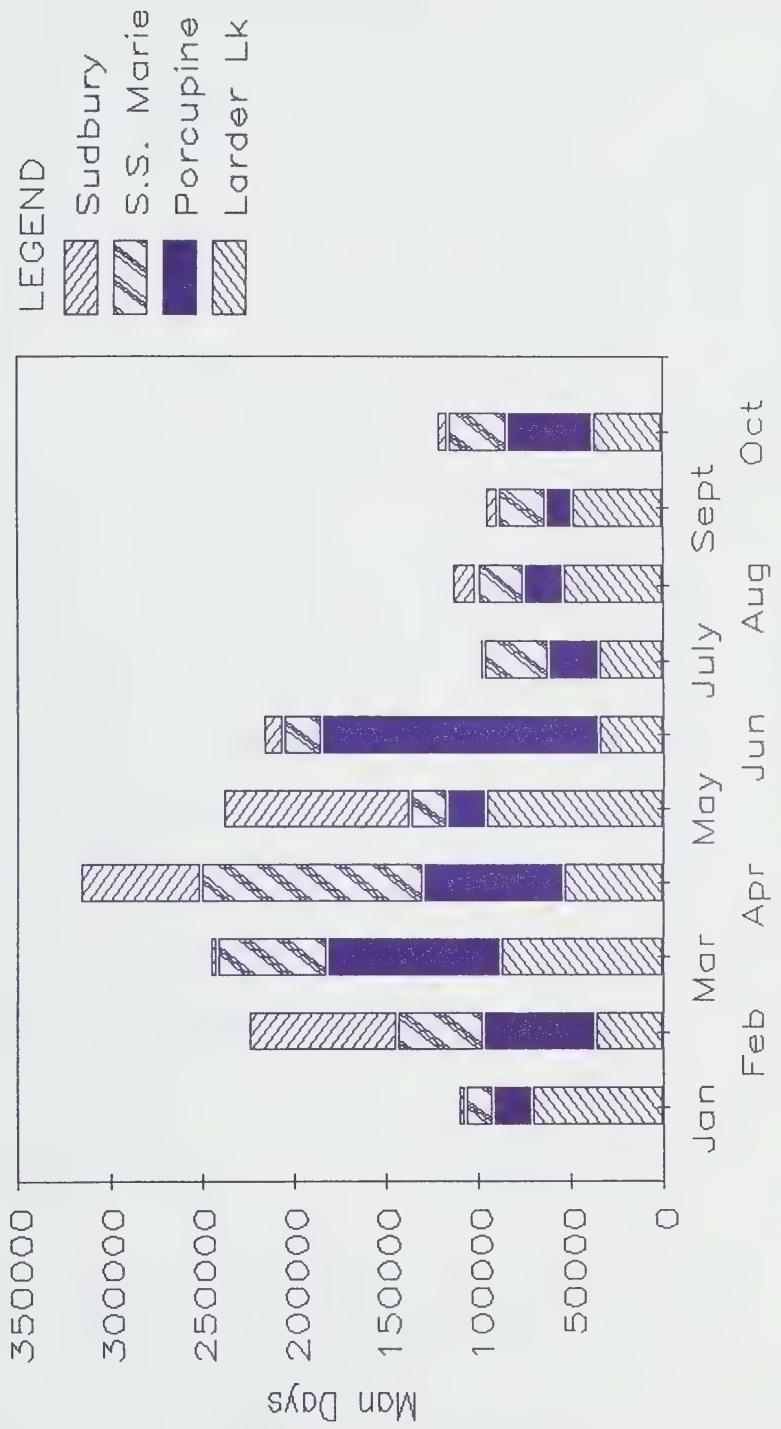
Source: Information and Statistics Section, MNDM

TOTAL ASSESSMENT WORK
IN NORTHWEST REGION
BY MONTH
JAN.-OCT. 1988



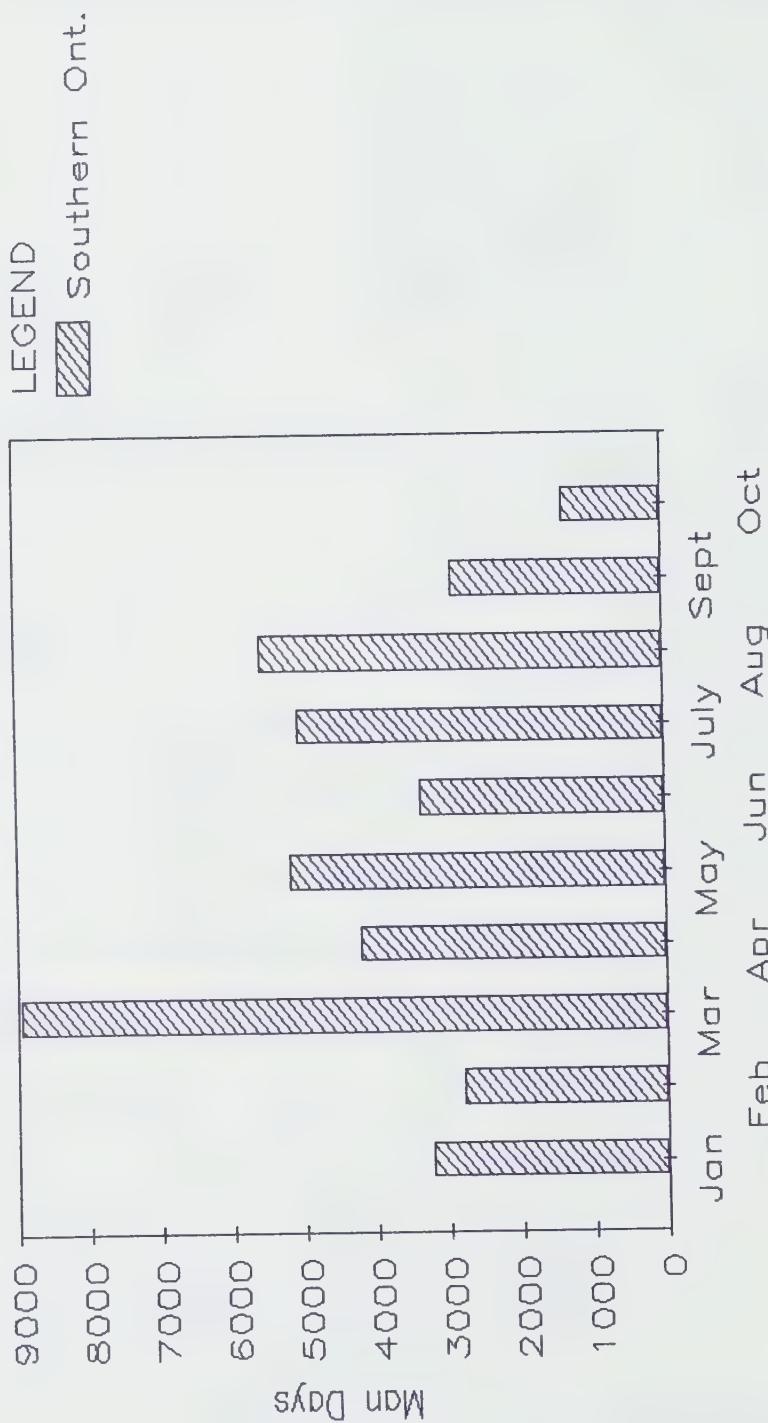
Source: Information and Statistics Section, MNDM

TOTAL ASSESSMENT WORK
IN NORTHEAST REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

TOTAL ASSESSMENT WORK
IN SOUTHERN REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCES REPORT

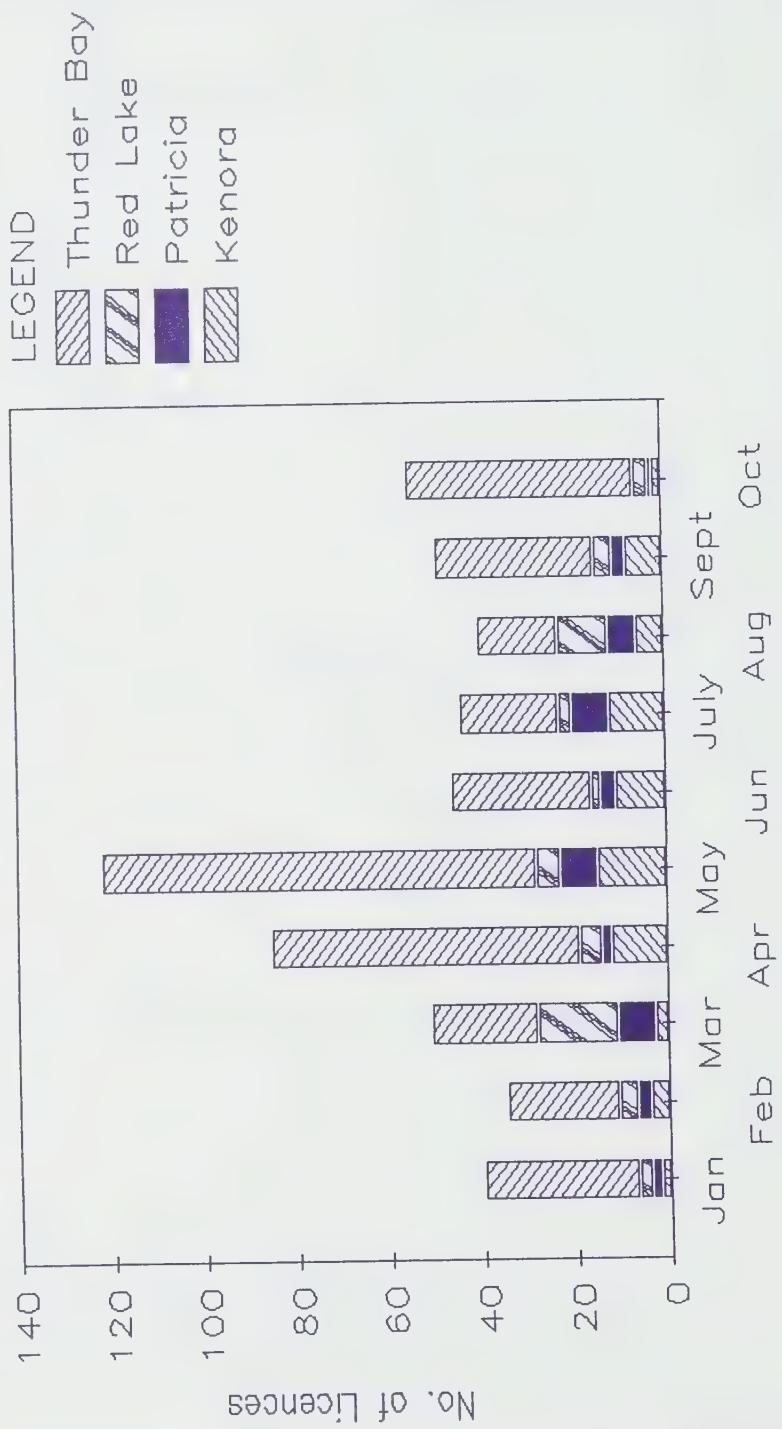
FROM

ONTARIO MINING RECORDER'S OFFICES
ISSUED BY MONTH '88

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Jan. - Oct. | Total |
|---------------------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|-------|
| Northwest Region | | | | | | | | | | | | |
| Kenora | 2 | 4 | 3 | 12 | 15 | 11 | 12 | 6 | 8 | 2 | 75 | |
| Patricia | 2 | 3 | 8 | 2 | 8 | 3 | 8 | 6 | 3 | 1 | 44 | |
| Red Lake | 3 | 4 | 17 | 5 | 5 | 2 | 3 | 11 | 4 | 3 | 57 | |
| Thunder Bay | 33 | 24 | 23 | 66 | 94 | 30 | 21 | 17 | 34 | 49 | 391 | |
| Total | 40 | 35 | 51 | 85 | 122 | 46 | 44 | 40 | 49 | 55 | 567 | |
| Northeast Region | | | | | | | | | | | | |
| Larder Lake | 11 | 7 | 25 | 25 | 29 | 16 | 11 | 14 | 3 | 15 | 156 | |
| Porcupine | 8 | 6 | 40 | 19 | 33 | 15 | 20 | 13 | 15 | 11 | 180 | |
| Sault Ste. Marie | 10 | 4 | 7 | 10 | 5 | 12 | 2 | 9 | 9 | 5 | 73 | |
| Sudbury | 6 | 3 | 27 | 28 | 43 | 19 | 10 | 19 | 14 | 6 | 175 | |
| Total | 35 | 20 | 99 | 82 | 110 | 62 | 43 | 55 | 41 | 37 | 584 | |
| Southern Region | | | | | | | | | | | | |
| Southern Ontario | 42 | 33 | 71 | 45 | 39 | 46 | 84 | 36 | 37 | 20 | 453 | |
| Total | 42 | 33 | 71 | 45 | 39 | 46 | 84 | 36 | 37 | 20 | 453 | |
| TOTAL ALL REGIONS: | 117 | 88 | 221 | 212 | 271 | 154 | 171 | 131 | 127 | 112 | 1 604 | |

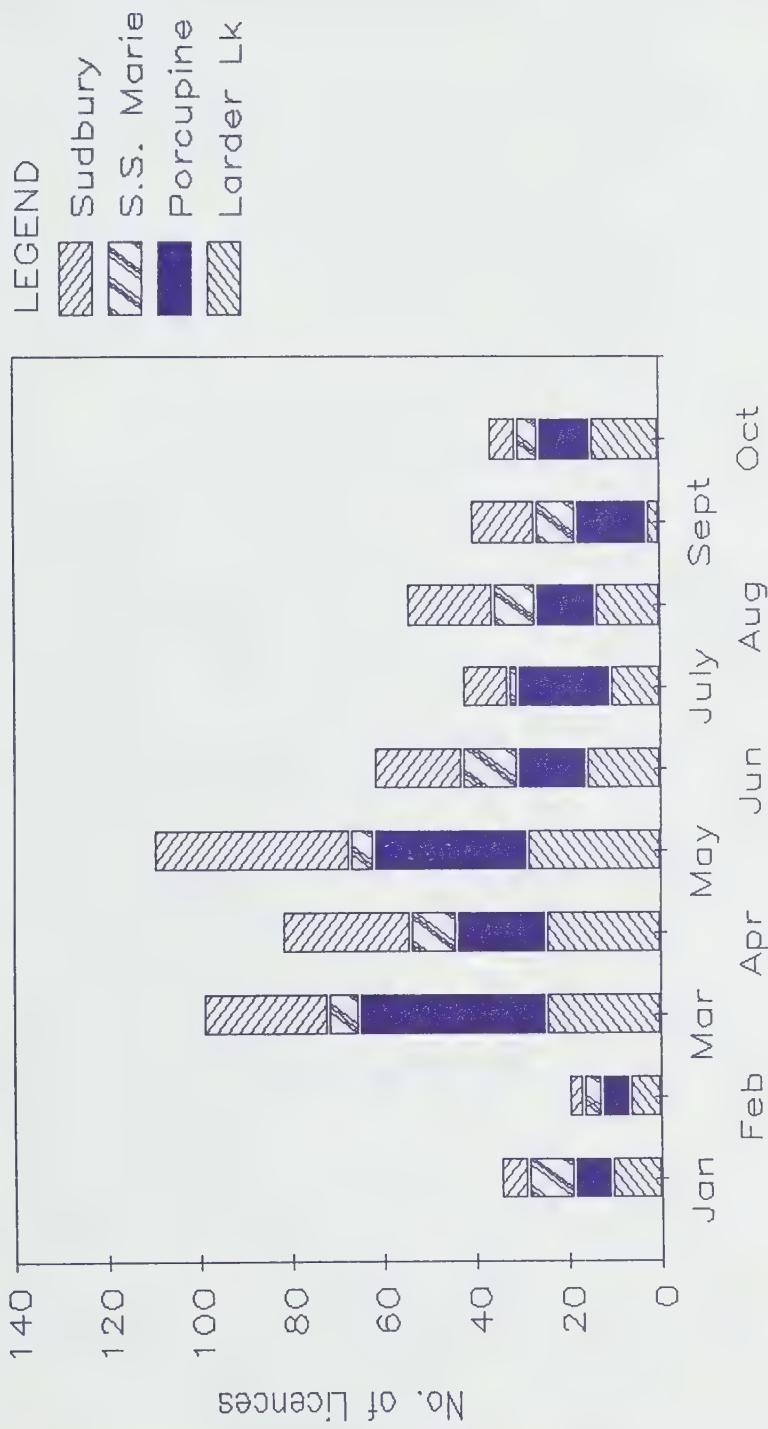
Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCES ISSUED
IN NORTHWEST REGION
BY MONTH
JAN.-OCT. 1988



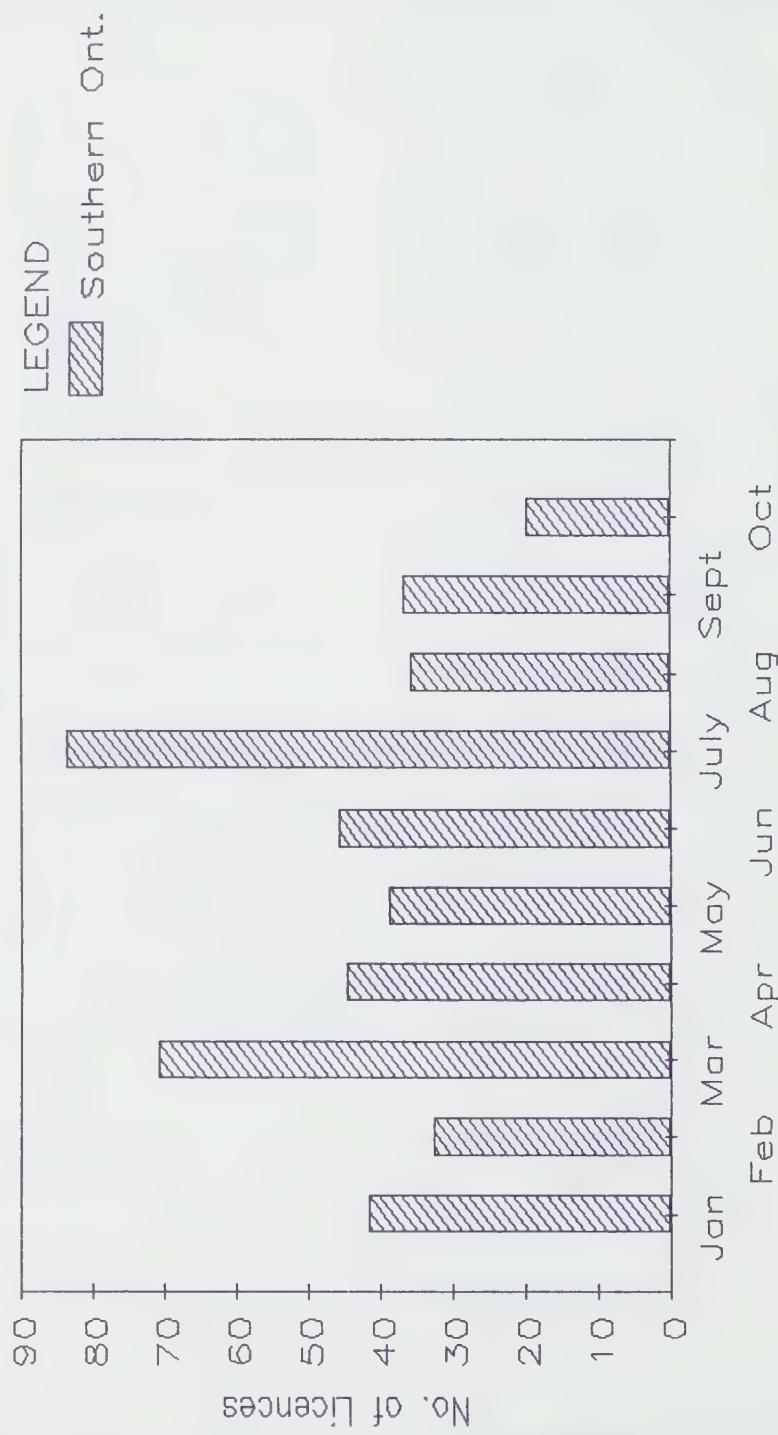
Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCES ISSUED
IN NORTHEAST REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCES ISSUED
IN SOUTHERN REGION
BY MONTH
JAN.-OCT. 1988



Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCEES REPORT
FROM

ONTARIO MINING RECORDER'S OFFICES
RENEWED BY MONTH '88

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Jan. - Oct. | Total |
|---------------------------|------------|------------|--------------|------------|------------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|
| Northwest Region | | | | | | | | | | | | |
| Kenora | 12 | 26 | 68 | 21 | 7 | 1 | 0 | 1 | 3 | 2 | 141 | 141 |
| Patricia | 0 | 7 | 56 | 8 | 5 | 0 | 0 | 1 | 1 | 0 | 78 | 78 |
| Red Lake | 7 | 18 | 33 | 10 | 6 | 2 | 0 | 4 | 0 | 0 | 80 | 80 |
| Thunder Bay | 67 | 122 | 239 | 92 | 24 | 2 | 1 | 7 | 3 | 3 | 560 | 560 |
| Total | 86 | 173 | 396 | 131 | 42 | 5 | 1 | 13 | 7 | 5 | 859 | 859 |
| Northeast Region | | | | | | | | | | | | |
| Larder Lake | 26 | 43 | 178 | 16 | 6 | 2 | 2 | 0 | 0 | 2 | 275 | 275 |
| Porcupine | 28 | 68 | 216 | 84 | 27 | 13 | 2 | 4 | 4 | 4 | 450 | 450 |
| Sault Ste. Marie | 10 | 24 | 56 | 16 | 8 | 4 | 2 | 6 | 1 | 4 | 131 | 131 |
| Sudbury | 14 | 48 | 213 | 26 | 4 | 0 | 0 | 0 | 3 | 0 | 308 | 308 |
| Total | 78 | 183 | 663 | 142 | 45 | 19 | 6 | 10 | 8 | 10 | 1 164 | 1 164 |
| Southern Region | | | | | | | | | | | | |
| Southern Ontario | 81 | 286 | 1 013 | 144 | 62 | 25 | 36 | 12 | 13 | 7 | 1 679 | 1 679 |
| Total | 81 | 286 | 1 013 | 144 | 62 | 25 | 36 | 12 | 13 | 7 | 1 679 | 1 679 |
| TOTAL ALL REGIONS: | 245 | 642 | 2 072 | 417 | 149 | 49 | 43 | 35 | 28 | 22 | 3 702 | 3 702 |

Source: Information and Statistics Section, MNDM

PROSPECTORS' LICENCES REPORT
FROM

ONTARIO MINING RECORDER'S OFFICES
(ISSUED AND RENEWED OCTOBER '88 VS SEPTEMBER '88)

| | October '88 | | September '88 | | % change | |
|---------------------------|-------------|-----------|---------------|-----------|---------------|---------------|
| | Issued | Renewed | Issued | Renewed | Issued | Renewed |
| Northwest Region | | | | | | |
| Kenora | 2 | 2 | 8 | 3 | -75.00 | -33.33 |
| Patricia | 1 | 0 | 3 | 1 | -66.67 | -100.00 |
| Red Lake | 3 | 0 | 4 | 0 | -25.00 | .. |
| Thunder Bay | 49 | 3 | 34 | 3 | 44.12 | .. |
| Total | 55 | 5 | 49 | 7 | 12.24 | -28.57 |
| Northeast Region | | | | | | |
| Larder Lake | 15 | 2 | 3 | 0 | 400.00 | 0.00 |
| Porcupine | 11 | 4 | 15 | 4 | -26.67 | .. |
| Sault Ste. Marie | 5 | 4 | 9 | 1 | -44.44 | 300.00 |
| Sudbury | 6 | 0 | 14 | 3 | -57.14 | -100.00 |
| Total | 37 | 10 | 41 | 8 | -9.76 | 25.00 |
| Southern Region | | | | | | |
| Southern Ontario | 20 | 7 | 37 | 13 | -45.95 | -46.15 |
| Total | 20 | 7 | 37 | 13 | -45.95 | -46.15 |
| TOTAL ALL REGIONS: | 112 | 22 | 127 | 28 | -11.81 | -21.43 |

Source: Information and Statistics Section, MNDM
not applicable

PROSPECTORS' LICENCES REPORT
FROM

ONTARIO MINING RECORDER'S OFFICES
(ISSUED AND RENEWED OCTOBER '88 VS OCTOBER '87)

| | October '88 Issued | Renewed | October '87 Issued | Renewed | Issued | Renewed | % change |
|---------------------------|-----------------------|-----------|-----------------------|-----------|--------------|--------------|----------|
| Northwest Region | | | | | | | |
| Kenora | 2 | 2 | 5 | 1 | -60.00 | 100.00 | |
| Patricia | 1 | 0 | 4 | 0 | -75.00 | .. | |
| Red Lake | 3 | 0 | 8 | 0 | -62.50 | .. | |
| Thunder Bay | 49 | 3 | 17 | 0 | 188.24 | 0.00 | |
| Total | 55 | 5 | 34 | 1 | 61.76 | 400.00 | |
| Northeast Region | | | | | | | |
| Larder Lake | 15 | 2 | 14 | 3 | 7.14 | -33.33 | |
| Porcupine | 11 | 4 | 16 | 4 | -31.25 | .. | |
| Sault Ste. Marie | 5 | 4 | 4 | 0 | 25.00 | 0.00 | |
| Sudbury | 6 | 0 | 10 | 4 | -40.00 | -100.00 | |
| Total | 37 | 10 | 44 | 11 | -15.91 | -9.09 | |
| Southern Region | | | | | | | |
| Southern Ontario | 20 | 7 | 37 | 4 | -45.95 | 75.00 | |
| Total | 20 | 7 | 37 | 4 | -45.95 | 75.00 | |
| TOTAL ALL REGIONS: | 112 | 22 | 115 | 16 | -2.61 | 37.50 | |

Source: Information and Statistics Section, MNDM
.. not applicable

3 1761 115478885



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and Mines
Ontario